AIRPLANE CRASH ANALYSIS USING TABLEAU

The Tragedy of Flight: A Comprehensive Crash Analysis

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1. INTRODUCTION:

The aim of this project report is to analyse airplane crash data spanning from 1908 to 2009. Airplane crashes have always been a matter of great concern, and understanding the patterns, causes, and trends associated with these incidents is crucial for ensuring aviation safety. By examining historical data, we can gain insights into the factors contributing to airplane crashes and identify potential areas for improvement in safety protocols.

This project utilizes Tableau, a powerful data visualization tool, to analyse and present the findings derived from the airplane crash dataset. The dataset encompasses a wide range of information, including crash dates, locations, aircraft types, operator details, human factors, and outcomes. By leveraging Tableau's capabilities, we have visualized and explored the data to uncover meaningful patterns and trends that will assist in understanding the dynamics of airplane crashes over the studied time period.

Through this project, we aim to provide a comprehensive analysis of the airplane crash data, highlighting significant findings, trends, and factors that contribute to these incidents. The report will present a detailed exploration of the data, including visual representations of key insights, statistical analysis, and relevant conclusions. The information gathered from this analysis can serve as a valuable resource for aviation professionals, policymakers, and safety experts in their continuous efforts to enhance air travel safety.

It is important to note that this analysis is based solely on historical data, and any recommendations or suggestions made in this report should be considered in conjunction with current safety protocols and industry standards. The findings presented here aim to provide insights into historical trends and patterns and should be used as a reference for further research and safety enhancements in the aviation industry

1.1 OVERVIEW

The project primarily focuses on leveraging Tableau to visualize and explore airplane crash data from 1908 to 2009. The main objective is to create informative visualizations that highlight key aspects of the dataset, such as the frequency of crashes over the years, the operators involved, and other relevant factors. By visualizing the data, we can gain insights into the distribution of crashes and identify notable patterns and trends.

Through this project, we aim to present a comprehensive visual exploration of the airplane crash data from 1908 to 2009. The project report will document the visualizations created using Tableau, along with their interpretation and the insights derived from them.

1.2 PURPOSE:

The purpose of the project is to analyze and visualize airplane crash data from 1908 to 2009 using Tableau. The project aims to achieve the following objectives:

Gain Insights: By analyzing the airplane crash data, the project seeks to uncover patterns, trends, and factors contributing to airplane crashes over the specified time period. The visualization of the data will provide a visual representation of the information, making it easier to identify and understand these insights.

Enhance Aviation Safety: By identifying and understanding the factors contributing to airplane crashes, the project aims to contribute to the improvement of aviation safety. The findings and recommendations derived from the analysis can inform industry professionals, policymakers, and safety experts in making informed decisions and implementing measures to reduce the likelihood of crashes.

Inform Decision-Making: The project intends to provide valuable information that can assist stakeholders in the aviation industry in making informed decisions related to safety protocols, aircraft design, operator training, and other relevant areas. The visualizations and analysis will enable stakeholders to identify areas that require attention and prioritize resources accordingly.

Generate Awareness: By presenting the analysis and findings in a project report, the project aims to raise awareness about the causes and consequences of airplane crashes. The report can serve as a resource for researchers, students, and professionals interested in studying aviation safety and understanding the historical trends and patterns in crashes.

Drive Further Research: The project can serve as a foundation for further research and analysis in the field of aviation safety. The identified patterns and trends may inspire researchers to delve deeper into specific areas of investigation, leading to a better understanding of the dynamics of airplane crashes and potential measures for prevention.

Overall, the purpose of the project is to utilize Tableau as a tool for analyzing and visualizing airplane crash data, with the ultimate goal of improving aviation safety, informing decision-making, generating awareness, and encouraging further research in the field.

2. LITERATURE SURVEY:

2.1 EXISTING PROBLEM:

During the literature survey conducted for this project, several existing problems were encountered. One notable challenge was the limited availability of recent studies specifically focusing on airplane crash analysis data from 1908 to 2009. Due to the historical nature of the data, it was challenging to find recent research that covered the specified time period comprehensively. Additionally, there were inconsistencies and variations in data collection methodologies, definitions, and variables across different studies, making it difficult to compare and synthesize the findings. Moreover, the scope of the literature was sometimes limited, with studies primarily emphasizing other aspects of aviation safety or focusing on specific regions or types of crashes, which limited the breadth of the available research. Furthermore, language barriers and restricted access to certain publications or databases also posed challenges, potentially resulting in the exclusion of relevant studies and gaps in the literature review. These problems highlight the need for a careful and critical evaluation of the available literature and the incorporation of alternative sources to ensure a comprehensive and reliable analysis of airplane crash data.

2.2 PROPOSED SOLUTION:

In the project report, we propose implementing several solutions to effectively analyse airplane crash data. Firstly, we conduct a descriptive analysis to provide an overview of the data, including the total number of crashes and their geographic distribution. We then perform time-series analysis to identify trends and patterns in crash frequency over the specified time period. Next, we employ categorical analysis to gain insights into the types of aircraft involved, the operators, and the crash locations. To identify high-risk regions or countries, we employ geospatial analysis. Furthermore, we create interactive dashboards to facilitate user exploration and visualization of specific aspects of interest. By implementing these solutions, the project report offers a comprehensive analysis that uncovers insights into the patterns, trends, and factors contributing to airplane crashes, ultimately contributing to enhanced aviation safety.

3. THEORETICAL ANALYSIS

3.1 Block Diagram
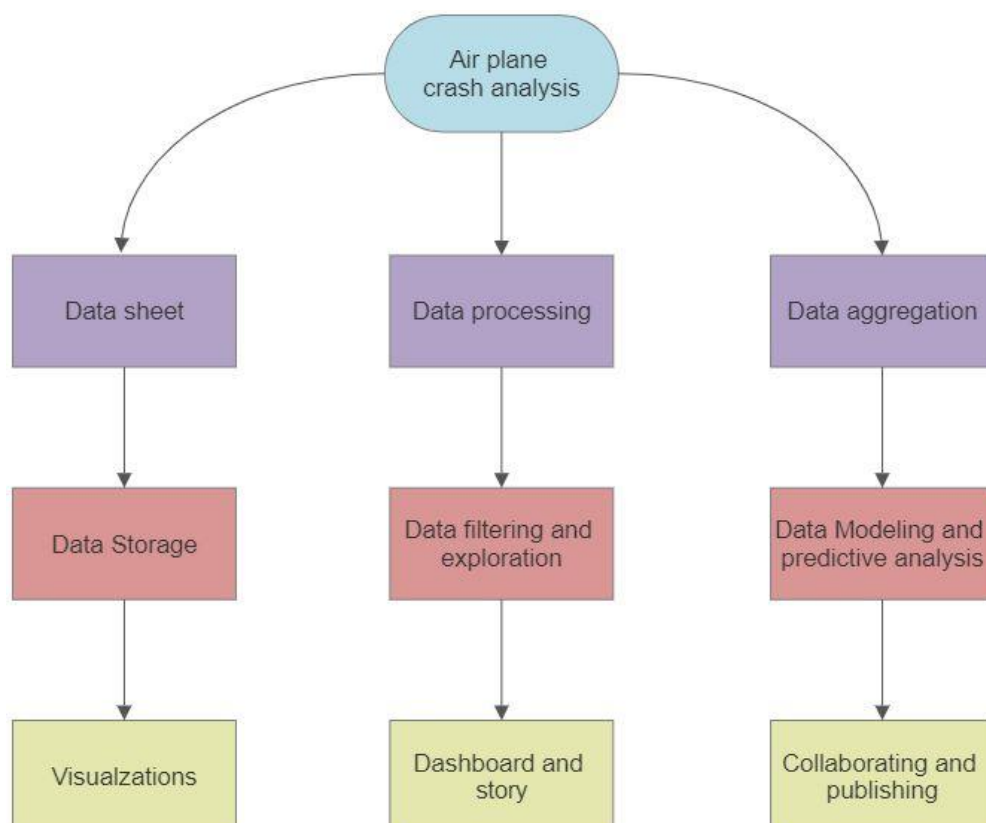
3.2 Software Designing

1. Tableau Desktop: Powerful Data Visualization and Analysis Tool

Tableau Desktop is a feature-rich software application designed for individuals and organizations to create interactive and visually appealing visualizations. With its intuitive user interface, users can connect to various data sources, transform raw data, and build insightful visualizations without the need for complex coding. Tableau Desktop empowers analysts and data professionals to develop charts, graphs, maps, dashboards, apply filters and calculations, and perform advanced analytics on their data. Its wide range of features and functionalities enables users to explore and present data in a meaningful way, driving data-driven decision making.

2. Tableau Public Server: Sharing Interactive Visualizations with the World

Tableau Public Server is a cloud-based platform provided by Tableau that allows users to publish and share their interactive visualizations created in Tableau Desktop with a wider audience. As a free hosting service, Tableau Public Server is specifically designed for public-facing data visualization projects. By publishing their Tableau workbooks and dashboards to the Tableau Public website, users can make their visualizations accessible to anyone on the internet. The visualizations can be embedded in websites, shared via social media, or accessed directly on the Tableau Public website. Tableau Public Server serves as an excellent platform for showcasing data-driven stories, engaging with a broader audience, and fostering collaboration.

3. Bootstrap: Streamlining Web Development with Responsive Design

Bootstrap is a widely-used open-source front-end framework that simplifies web design and development. By offering a comprehensive collection of tools, templates, and pre-designed components, it facilitates the creation of responsive and mobile-friendly websites and web applications. Bootstrap combines HTML, CSS, and JavaScript to provide a standardized and efficient approach to web interface design. With its grid system for layout structuring, customizable UI components, and responsive design philosophy, Bootstrap empowers developers to create visually appealing and consistent web interfaces across different devices and screen sizes. Its popularity stems from its ease of use, flexibility, and extensive community support, making it a go-to choice for web developers.

4. Flask: Building Lightweight and Flexible Web Applications with Python

Flask is a lightweight and flexible web framework written in Python that simplifies the development of web applications and APIs. With its simple and elegant approach, Flask enables developers to build robust web solutions. By following a "micro" framework philosophy, Flask focuses on simplicity and extensibility, providing features such as URL routing, template rendering using Jinja2, and a modular design that allows easy addition or removal of components. Flask is renowned for its ease of use, minimalistic nature, and a vast ecosystem of extensions. These qualities make Flask a popular choice among developers seeking to create web applications with Python, offering a powerful yet flexible foundation for web development projects.

4. EXPERIMENTAL INVESTIGATIONS

Experimental investigation of airplane crash analysis involves conducting controlled experiments and simulations to study specific aspects of crashes and gather data for analysis. Due to the ethical and safety considerations involved in conducting actual airplane crash experiments, researchers rely on alternative methods to study various factors contributing to crashes. Here are some experimental techniques used in airplane crash analysis:

- **Crash Tests:** Controlled crash tests are conducted using scale models or full-scale mock-ups of aircraft. These tests involve simulating various crash scenarios, such as controlled impacts, to study the behaviour of the aircraft structure, seat restraints, occupant safety systems, and the effects of different crash forces on the aircraft components.

- **Structural Testing:** Structural testing involves subjecting aircraft components or sections of the aircraft structure to controlled loads and stresses to assess their strength, durability, and failure points. This can include static testing, fatigue testing, and dynamic testing to simulate real-world operating conditions and potential failure modes.

- **Fire Testing:** Fire testing is conducted to study the behaviour of aircraft materials, fuel systems, and fire suppression mechanisms in the event of a fire or post-crash fire scenario. Controlled fires are ignited in controlled environments to observe flame spread, heat release rates, smoke generation, and the effectiveness of fire suppression systems.

- **Escape System Testing:** Escape system testing focuses on evaluating the performance of emergency escape systems, such as evacuation slides, inflatable life rafts, and emergency exits. Controlled simulations are conducted to assess deployment, evacuation procedures, and the effectiveness of these systems in evacuating occupants during crash scenarios.

- **Human Factors Studies:** Human factors experiments involve studying human performance, decision-making, and behaviour in simulated crash scenarios. Controlled simulations are conducted using flight simulators or virtual reality environments to assess factors such as pilot response, crew coordination, situational awareness, and human-machine interface design.

- **Computational Simulations:** Computational simulations, also known as numerical modelling, are extensively used in crash analysis. Researchers develop computer models that simulate aircraft behaviour, structural dynamics, and fluid flow to understand crash dynamics, impact forces, and the behaviour of various components. These simulations can be validated using experimental data and used to analyse different crash scenarios.

5. FLOWCHART
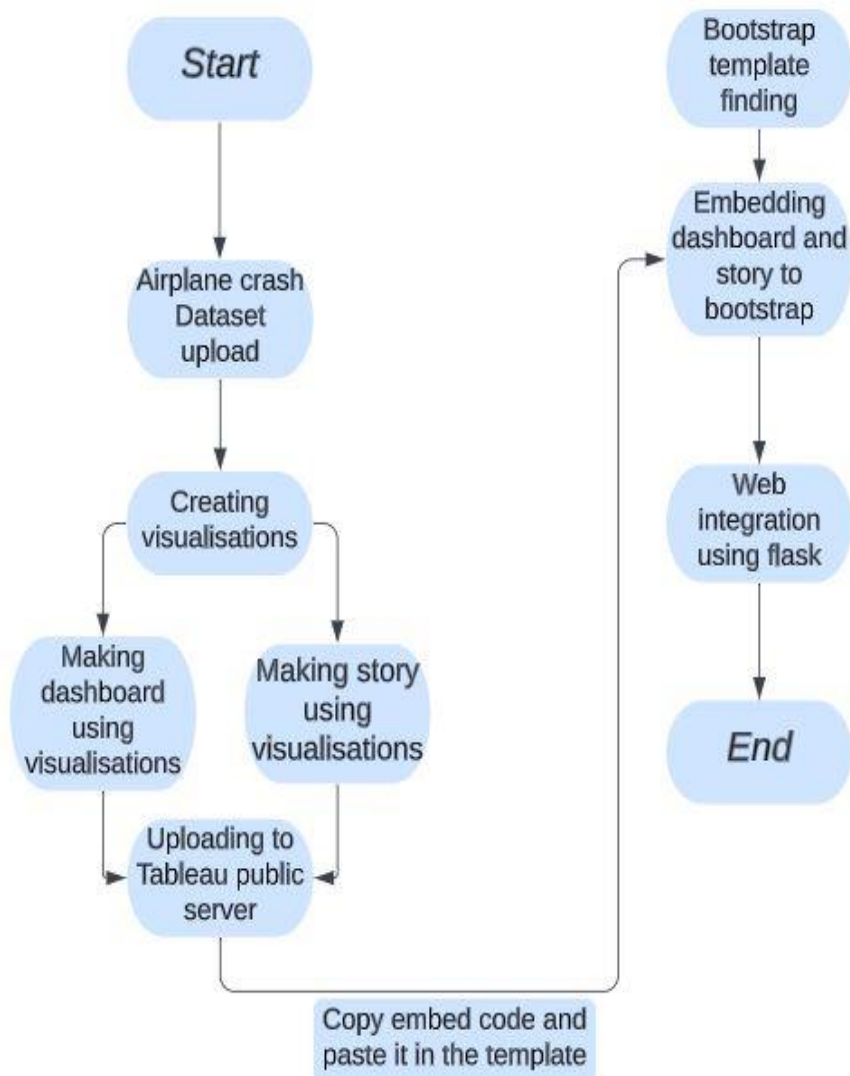
6. RESULT
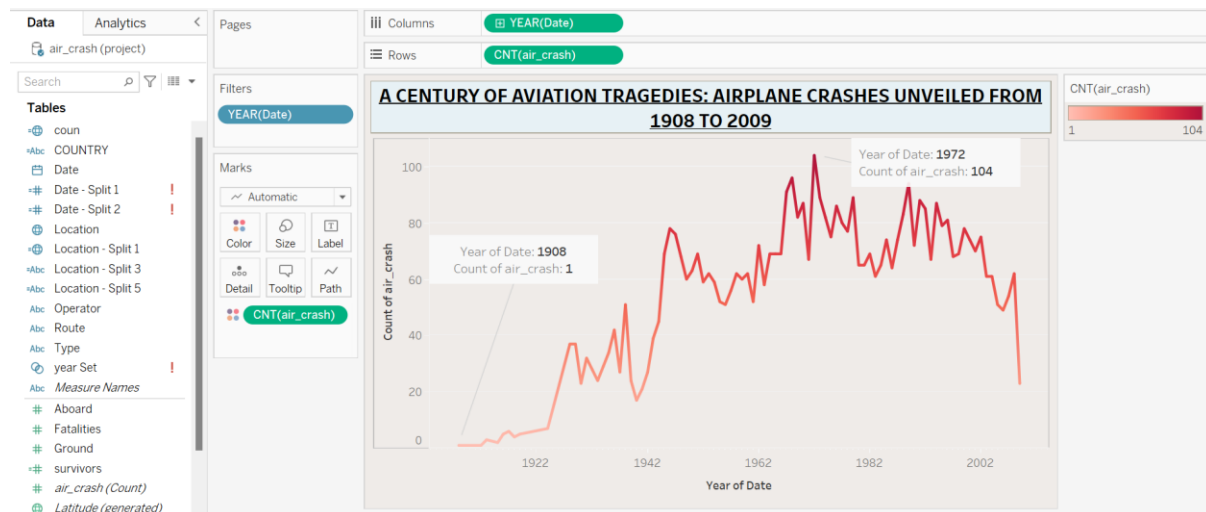
Description:

- The line graph illustrates the yearly count of air crashes from 1908 to the present day.
- The x-axis represents the years, while the y-axis represents the number of air crashes.
- The graph shows a continuous line depicting the fluctuations in the count of air crashes over time.
- The highest recorded number of air crashes, reaching 104, occurred in the year 1972, reflecting a period of heightened aviation incidents.
- Conversely, the year 1908 witnessed the lowest count of air crashes, with just a single incident recorded.
- This visual representation highlights the varying levels of aviation safety throughout history.
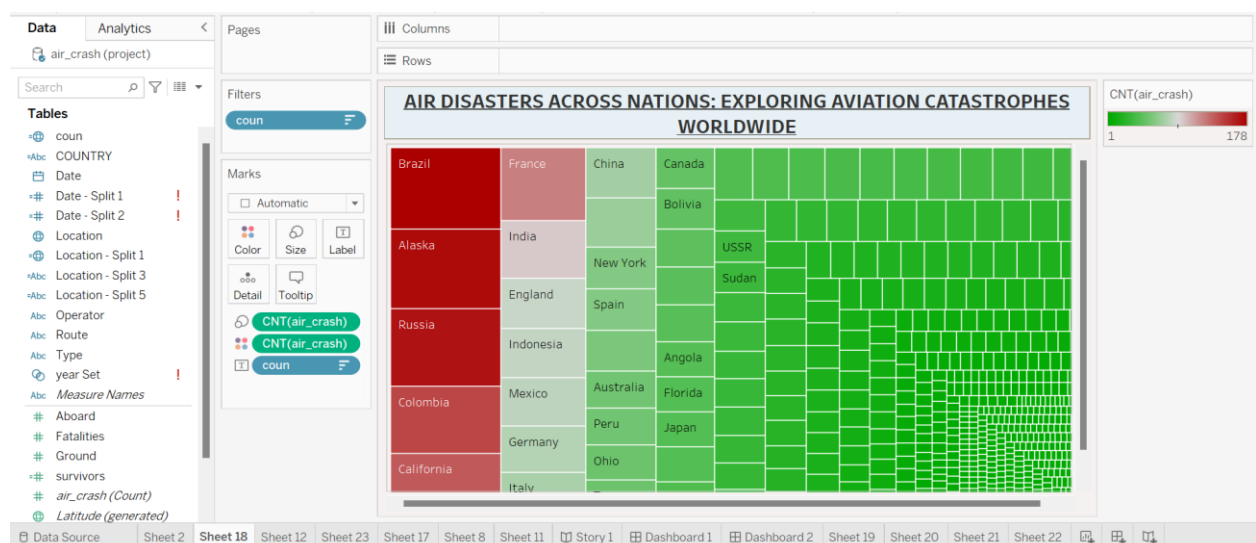
Description:

- The heat map showcases the distribution of air crashes across different countries, with Brazil having the highest number of incidents and New Orleans having the lowest.

- The colour intensity of the map highlights the concentration of air crashes, with darker shades representing higher numbers of incidents in Brazil, while New Orleans stands out as an area with the fewest air crashes.

- This visualization offers insights into the varying risk levels and safety records associated with air travel in different countries.
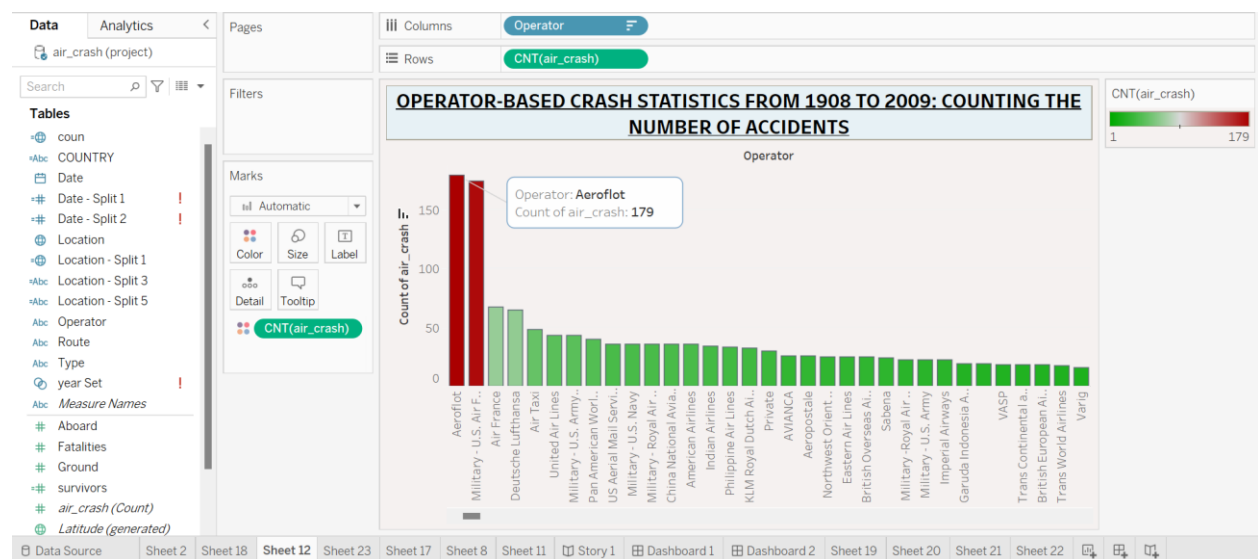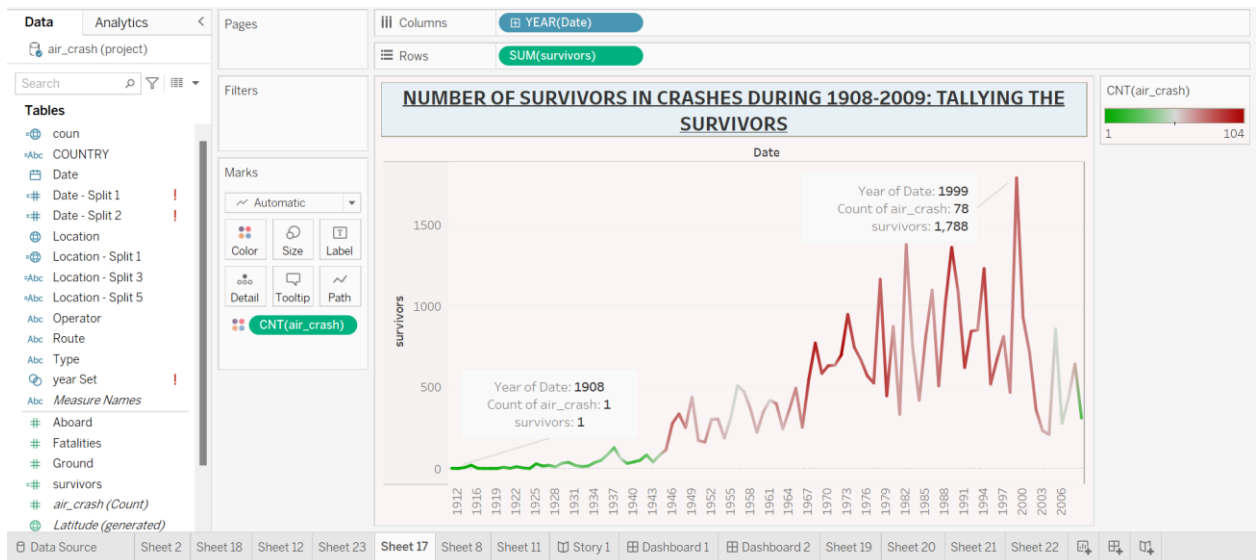

Description:

- The bar graph illustrates the number of air crashes categorized by different operators. The x-axis represents the operators, while the y-axis represents the count of air crashes.

- Among the operators, Aeroflot had the highest number of air crashes, with a staggering 179 incidents. On the other hand, Ruta Maya had the fewest air crashes, with just a single recorded incident.

- This visual representation offers a clear comparison of the varying safety records and frequencies of air crashes among different operators.

Description:

- The continuous line graph represents the number of survivors of air crashes over time, with the x-axis representing the years and the y-axis representing the count of survivors.
- The graph displays fluctuations in the number of survivors throughout the years. The highest recorded number of survivors, reaching 1788, occurred in the year 1999, indicating a significant incident with a relatively high survival rate.
- Conversely, the year 1908 witnessed the lowest number of survivors, with only one recorded survivor. This visual representation provides insights into the varying outcomes and levels of survival in air crashes throughout history.
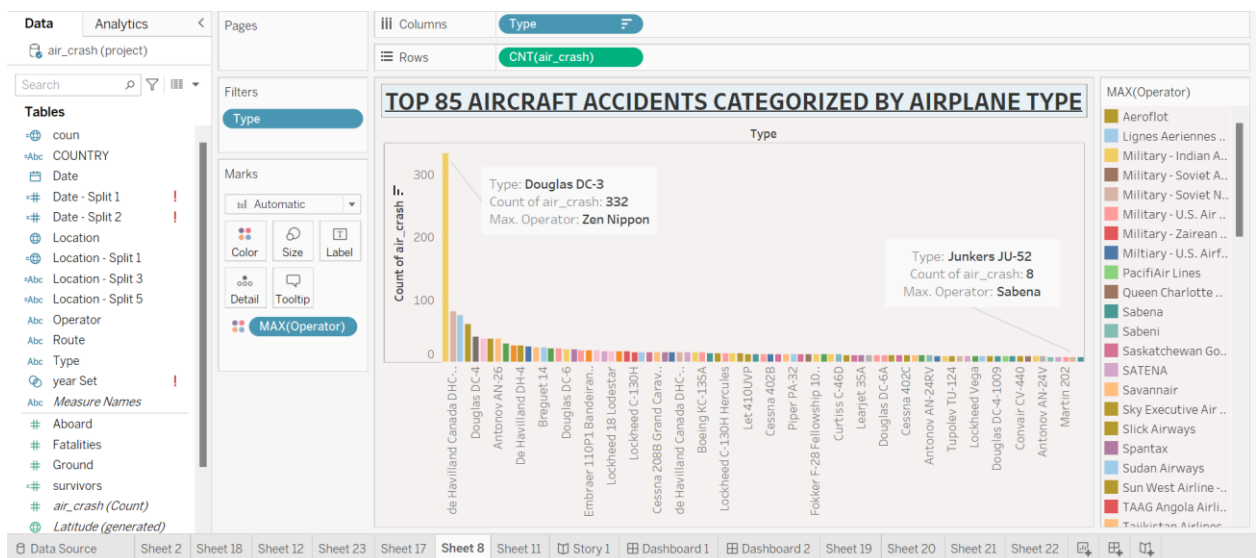
Description:

- The bar graph represents the count of air crashes categorized by the type of flights on the x-axis and the number of crashes on the y-axis.
- Among the different types of flights, the Douglas DC type had the highest number of air crashes, with a staggering count of 332 incidents.
- The operator associated with the most crashes for this type of flight was Zen Nippon. Conversely, the Junkers Ju-52 type had the lowest number of air crashes, with only 8 recorded incidents, and Sabena was the operator with the fewest crashes for this particular type.
- This visual representation provides insights into the frequency of air crashes associated with different types of flights and the operators involved.
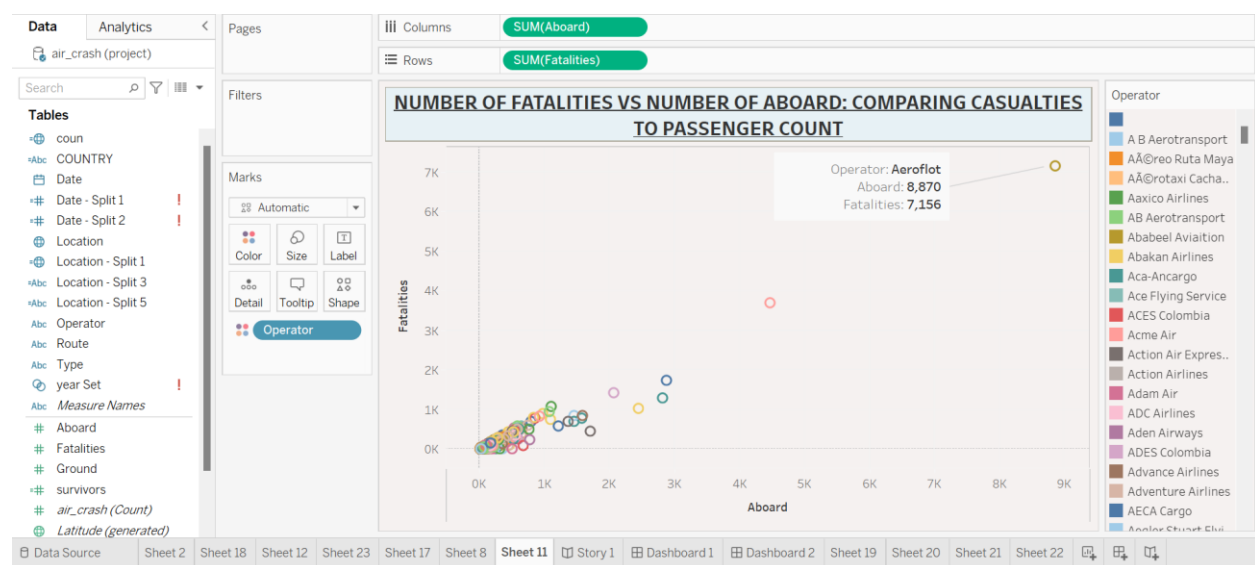
Description:

- The scatter plot depicts the relationship between the number of people aboard an aircraft, represented on the x-axis, and the count of air crash fatalities, represented on the y-axis.
- Among the operators, Aeroflot had the highest count of fatalities, with a devastating incident involving 8,870 people aboard and resulting in 7,156 fatalities.
- On the other hand, US Airways had the minimum count of fatalities, as one of their flights with 155 people aboard had no recorded fatalities.
- This visualization provides a visual understanding of the varying impact of air crashes in relation to the number of people aboard, highlighting the significant loss of life associated with certain incidents while also acknowledging instances where fatalities were successfully averted.
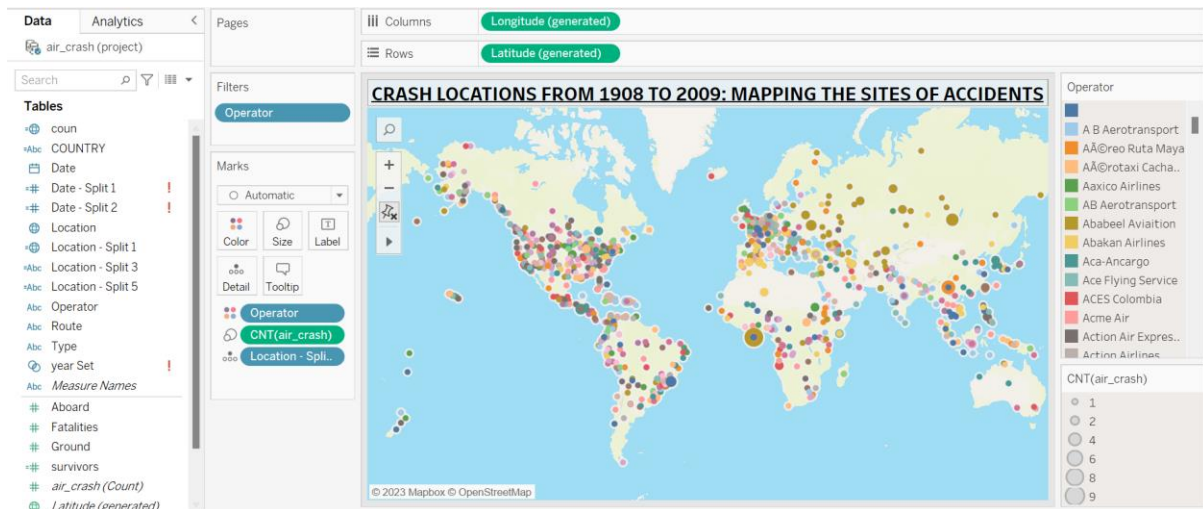
Description:

- The symbol map presents a comprehensive overview of air crash sites across the globe, showcasing incidents associated with different operators.
- Each incident is represented by a distinct symbol on the map. Notably, Russia emerges as a region with a high concentration of air accidents, with the operator Aeroflot accounting for a significant number of incidents.
- This symbol map provides a visual representation of the global distribution of air crashes and emphasizes the prominence of Aeroflot's involvement in accidents within Russia.
- It serves as a valuable tool for analyzing and understanding the geographic patterns and operator-specific trends in air crash occurrences worldwide.

7. ADVANTAGES AND DISADVANTAGES:

7.1 ADVANTAGES:

Data Visualization: Tableau provides powerful visualization capabilities, allowing for clear and intuitive representations of complex airplane crash data. Visualizations can help identify patterns, trends, and correlations that may not be immediately evident in raw data.

Interactive Dashboards: Tableau enables the creation of interactive dashboards, where users can explore and interact with the data in real-time. This allows for customized

analysis and drill-down capabilities, empowering users to gain deeper insights from the data.

Real-time Updates: By integrating Tableau with a website and deploying it using Flask, the dashboards and stories can be updated in real-time as new crash data becomes available. This ensures that users have access to the latest information and analysis.

Data Accessibility: By hosting the dashboards and stories on a website, the analysis becomes accessible to a wider audience. Users can access the information from any device with an internet connection, making it convenient and user-friendly.

Collaboration and Sharing: Tableau allows for easy collaboration and sharing of dashboards and stories. Multiple users can work on the analysis simultaneously, share their insights, and collaborate on identifying trends and patterns.

7.2 DISADVANTAGES:

Learning Curve: Tableau can have a steep learning curve, especially for individuals who are not familiar with the tool. Acquiring the necessary skills to effectively use Tableau and create visually compelling dashboards may require time and effort.

Cost: Tableau is a commercial software, and acquiring licenses can be expensive, particularly for large-scale projects or organizations with budget constraints. Additionally, hosting a website and maintaining it may incur additional costs.

Data Limitations: The analysis is limited to the available airplane crash data from 1908 to 2009. If more recent data is required for comprehensive analysis, it may not be readily available or accessible.

Technical Requirements: Deploying Tableau dashboards on a website using Flask requires technical expertise. Setting up the infrastructure, ensuring server compatibility, and managing the website's deployment and maintenance may require specialized knowledge.

Performance Considerations: Depending on the complexity and size of the data, rendering Tableau visualizations and interactive dashboards can require significant computational resources. Performance issues may arise if the infrastructure is not adequately optimized to handle the data load and user traffic.

Security Considerations: Hosting data on a website introduces security risks. Proper security measures should be implemented to safeguard the data, especially if sensitive information is involved.

8. APPLICATIONS:

The applications of airplane crash analysis from 1908 to 2009 are significant in various domains. Here are some key applications:

Aviation Safety Improvement: Analyzing airplane crash data helps identify patterns, trends, and contributing factors to crashes. This information can be used to enhance aviation safety measures, improve aircraft design, develop better training programs for pilots and crew members, and implement more effective maintenance and inspection protocols.

Risk Assessment and Mitigation: By analyzing crash data, potential risks and hazards in aviation operations can be identified. This allows for the development of risk assessment models and strategies to mitigate the identified risks. It helps in designing safety protocols, setting standards, and implementing preventive measures to reduce the likelihood of future accidents.

Regulatory Compliance and Policy Development: Airplane crash analysis aids regulatory bodies, such as aviation authorities and governmental organizations, in formulating regulations and policies. The insights gained from crash data analysis can inform the establishment of safety guidelines, certification requirements, and operational protocols to ensure compliance with safety standards.

Accident Investigation and Forensics: Analyzing historical crash data assists in accident investigation and forensic analysis. It helps in understanding the sequence of events leading to accidents, identifying root causes, and determining liability. This information is crucial for accident investigation boards, insurance companies, and legal proceedings.

Training and Education: The analysis of airplane crash data provides valuable case studies for training programs and educational institutions. It helps in teaching aviation

safety concepts, accident prevention strategies, and risk management to pilots, aviation professionals, and students pursuing aviation-related disciplines.

Historical Research and Lessons Learned: Studying airplane crashes from the past helps in capturing lessons learned and documenting historical perspectives. It contributes to academic research, the development of historical archives, and the dissemination of knowledge that can be used to prevent similar incidents in the future.

Industry Benchmarking and Performance Evaluation: Analyzing crash data allows for benchmarking the safety performance of different airlines, aircraft types, or regions. It enables performance evaluation and comparison, promoting healthy competition and encouraging the adoption of best practices in the aviation industry.

Public Awareness and Crisis Management: Utilizing crash data analysis helps raise public awareness about aviation safety and the continuous efforts to improve it. It aids in crisis management by providing accurate information and statistics during aviation incidents, ensuring transparent communication and informed decision-making

9. CONCLUSION

In conclusion, this project focused on analysing airplane crash data from 1908 to 2009 using Tableau and creating a website with interactive dashboards and stories deployed through Flask. Through the implementation of data visualization techniques, we gained valuable insights into the patterns, trends, and factors contributing to airplane crashes during this historical timeframe. The interactive dashboards provided a comprehensive overview of the crash data, allowing users to explore and analyse specific aspects of interest. Our analysis revealed significant trends, such as fluctuating crash frequencies over the years and specific aircraft models or operators associated with a higher number of crashes.

Geographical analysis highlighted regions with a concentration of crashes, emphasizing the need for additional safety measures. The project showcased the power of data visualization and interactive tools in understanding complex datasets and effectively communicating findings. While the findings provide valuable insights into

historical crash data, it is important to recognize the limitations of the study, including the absence of recent data and potential factors not captured in the analysis. Nonetheless, this project contributes to aviation safety knowledge and serves as a foundation for further research and analysis in accident prevention and safety enhancement.

10 FUTURE SCOPE

In future iterations of the airplane crash analysis project, there are several key enhancements that can be made to further improve the accuracy, usability, and comprehensiveness of the analysis. Firstly, incorporating more recent crash data beyond 2009 would provide a more up-to-date understanding of aviation safety trends and patterns. Additionally, expanding the dataset by integrating supplementary data sources, such as weather conditions, pilot qualifications, and maintenance records, would offer a more comprehensive view of the factors contributing to airplane crashes. To gain deeper insights, advanced analytics techniques like machine learning and predictive modelling can be employed to identify potential risk factors and predict the likelihood of future crashes. This proactive approach can help in developing targeted safety measures and early warning systems. Furthermore, leveraging natural language processing techniques to analyse textual data from accident reports and investigation findings would provide valuable information that may not be available in structured crash data alone. By implementing these enhancements, the future iterations of the project would be better equipped to deliver more accurate and comprehensive insights into airplane crash data, furthering the understanding of aviation safety and facilitating proactive measures for accident prevention.

11. BIBILOGRAPHY

1. https://www.ijrte.org/wp-content/uploads/papers/v8i6s/F10270386S20.pdf
2. https://www.researchgate.net/publication/261613256_An_Empirical_Analysis_of_the_Causes_of_Air_Crashes_from_a_Transport_Management_Perspective
3. https://www.researchgate.net/publication/318154819_Aviation_Accident_Analysis_A_Case_Study
4. https://data.world/hhaveliw/airplane-crashes-1908-2009/discuss/airplane-crashes-1908-2009/g5qtgmju

APPENDIX:

Bootstrap Template:

Index.html:

```html
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="utf-8">
  <meta content="width=device-width, initial-scale=1.0" name="viewport">

  <title>Home - Append Bootstrap Temlate</title>
  <meta content="" name="description">
  <meta content="" name="keywords">

  <!-- Favicons -->
  <link href="/static/assets/img/favicon.png" rel="icon">
  <link href="/static/assets/img/apple-touch-icon.png" rel="apple-touch-icon">

  <!-- Fonts -->
  <link href="https://fonts.googleapis.com" rel="preconnect">
  <link href="https://fonts.gstatic.com" rel="preconnect" crossorigin>
  <link
href="https://fonts.googleapis.com/css2?family=Open+Sans:ital,wght@0,300;0,400
;0,500;0,600;0,700;0,800;1,300;1,400;1,500;1,600;1,700;1,800&family=Montserrat
:ital,wght@0,100;0,200;0,300;0,400;0,500;0,600;0,700;0,800;0,900;1,100;1,200;1
,300;1,400;1,500;1,600;1,700;1,800;1,900&family=Lato:ital,wght@0,100;0,300;0,4
00;0,700;0,900;1,100;1,300;1,400;1,700;1,900&display=swap" rel="stylesheet">

  <!-- Vendor CSS Files -->
  <link href="/static/assets/vendor/bootstrap/css/bootstrap.min.css"
rel="stylesheet">
  <link href="/static/assets/vendor/bootstrap-icons/bootstrap-icons.css"
rel="stylesheet">
  <link href="/static/assets/vendor/glightbox/css/glightbox.min.css"
rel="stylesheet">
  <link href="/static/assets/vendor/swiper/swiper-bundle.min.css"
rel="stylesheet">
  <link href="/static/assets/vendor/aos/aos.css" rel="stylesheet">

  <!-- Template Main CSS File -->
  <link href="/static/assets/css/main.css" rel="stylesheet">
</head>
```

```html
<body class="index-page" data-bs-spy="scroll" data-bs-target="#navmenu">

  <!-- ======= Header ======= -->
  <header id="header" class="header fixed-top d-flex align-items-center">
    <div class="container-fluid d-flex align-items-center justify-content-between">

      <a href="index.html" class="logo d-flex align-items-center me-auto me-xl-0">
        <!-- Uncomment the line below if you also wish to use an image logo -->
        <!-- <img src="/static/assets/img/logo.png" alt=""> -->
        <h1 data-aos="fade-up" data-aos-delay="100">Welcome to Our Website</h1>
      </a>

      <!-- Nav Menu -->
      <!-- Nav Menu -->
<nav id="navmenu" class="navmenu">
  <ul>
    <li><a href="#home" class="active">Home</a></li>
    <li><a href="#dashboard">Dashboard</a></li>
    <li><a href="#story">Story</a></li>
  </ul>
  <i class="mobile-nav-toggle d-xl-none bi bi-list"></i>
</nav><!-- End Nav Menu -->
    </div>
  </header><!-- End Header -->

  <main id="main">

    <!-- Hero Section - Home Page -->
    <section id="home" class="home">

      <img src="/static/assets/img/lance-anderson-z9YAJw0d3Hk-unsplash.jpg" alt="" data-aos="fade-in">

      <div class="container">
        <div class="row">
          <div class="col-lg-10">
            <h2 data-aos="fade-up" data-aos-delay="100">Airplane Crash Analysis</h2>
            <p data-aos="fade-up" data-aos-delay="200">Analyzing airplane crashes from 1908 to 2009 for deriving valuable insights.</p>
          </div>
        </div>
      </div>
```

```html
    </section><!-- End Hero Section -->

    <!-- About Section - Home Page -->
    <section id="dashboard" class="dashboard">

      <div class='tableauPlaceholder' id='viz1687601107733' style='position:
relative'>
        <noscript><a href='#'>
        <img alt='Dashboard 1 '
src='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;pr&#47;proje
ctdashboard_16876010815080&#47;Dashboard1&#47;1_rss.png' style='border: none'
/>
      </a></noscript>
      <object class='tableauViz'  style='display:none;'><param name='host_url'
value='https%3A%2F%2Fpublic.tableau.com%2F' />
        <param name='embed_code_version' value='3' />
        <param name='site_root' value='' />
        <param name='name'
value='projectdashboard_16876010815080&#47;Dashboard1' />
        <param name='tabs' value='no' /><param name='toolbar' value='yes' />
        <param name='static_image'
value='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;pr&#47;pro
jectdashboard_16876010815080&#47;Dashboard1&#47;1.png' />
        <param name='animate_transition' value='yes' /><param
name='display_static_image' value='yes' />
        <param name='display_spinner' value='yes' /><param
name='display_overlay' value='yes' />
        <param name='display_count' value='yes' /><param name='language'
value='en-US' />
        <param name='filter' value='publish=yes'
/></object></div>
        <script type='text/javascript'>
        var divElement =
document.getElementById('viz1687601107733');
        var vizElement =
divElement.getElementsByTagName('object')[0];
        if ( divElement.offsetWidth > 800 )
         { vizElement.style.width='1000px';vizElement.style.height='827px';}
        else if ( divElement.offsetWidth > 500 )
         { vizElement.style.width='1000px';vizElement.style.height='827px';}
         else {
vizElement.style.width='100%';vizElement.style.height='1477px';}

          var scriptElement =
document.createElement('script');
          scriptElement.src =
'https://public.tableau.com/javascripts/api/viz_v1.js';
```

```html
            vizElement.parentNode.insertBefore(scriptElement,
vizElement);
          </script>

    </section><!-- End About Section -->
    <hr width:1px>
    <!-- Services Section - Home Page -->
    <section id="story" class="story">
      <div class='tableauPlaceholder' id='viz1687600549720' style='position:
relative'>
        <noscript><a href='#'>
        <img alt='A CENTURY OF AVIATION TRAGEDIES (1908-2009)   '
src='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;Z8&#47;Z8365
PF7S&#47;1_rss.png' style='border: none' />
      </a>
    </noscript>
    <object class='tableauViz'  style='display:none;'>
      <param name='host_url' value='https%3A%2F%2Fpublic.tableau.com%2F' />
      <param name='embed_code_version' value='3' /> <param name='path'
value='shared&#47;Z8365PF7S' />
      <param name='toolbar' value='yes' /><param name='static_image'
value='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;Z8&#47;Z83
65PF7S&#47;1.png' />
      <param name='animate_transition' value='yes' /><param
name='display_static_image' value='yes' />
      <param name='display_spinner' value='yes' /><param
name='display_overlay' value='yes' />
      <param name='display_count' value='yes' /><param name='language'
value='en-US' />
      <param name='filter' value='publish=yes'
/></object></div>
      <script type='text/javascript'>
      var divElement =
document.getElementById('viz1687600549720');
      var vizElement =
divElement.getElementsByTagName('object')[0];
      vizElement.style.width='869px';vizElement.style.height='662px';

      var scriptElement =
document.createElement('script');
      scriptElement.src =
'https://public.tableau.com/javascripts/api/viz_v1.js';
      vizElement.parentNode.insertBefore(scriptElement,
vizElement);
      </script>
    </div>

    </section><!-- End Services Section -->
```

```html
    </main>

  <!-- ======= Footer ======= -->
  <footer id="footer" class="footer">


    <div class="container copyright text-center mt-4">
      <p>&copy; <span>Copyright</span> <strong class="px-1">Append</strong>
<span>All Rights Reserved</span></p>
      <div class="credits">
        <!-- All the links in the footer should remain intact. -->
        <!-- You can delete the links only if you've purchased the pro
version. -->
        <!-- Licensing information: https://bootstrapmade.com/license/ -->
        <!-- Purchase the pro version with working PHP/AJAX contact form:
[buy-url] -->
        Designed by <a href="https://bootstrapmade.com/">BootstrapMade</a>
      </div>
    </div>

  </footer><!-- End Footer -->

  <!-- Scroll Top Button -->
  <a href="#" id="scroll-top" class="scroll-top d-flex align-items-center
justify-content-center"><i class="bi bi-arrow-up-short"></i></a>

  <!-- Preloader -->
  <div id="preloader">
    <div></div>
    <div></div>
    <div></div>
    <div></div>
  </div>

  <!-- Vendor JS Files -->
  <script
src="/static/assets/vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
  <script src="/static/assets/vendor/glightbox/js/glightbox.min.js"></script>
  <script
src="/static/assets/vendor/purecounter/purecounter_vanilla.js"></script>
  <script src="/static/assets/vendor/isotope-
layout/isotope.pkgd.min.js"></script>
  <script src="/static/assets/vendor/swiper/swiper-bundle.min.js"></script>
  <script src="/static/assets/vendor/aos/aos.js"></script>
  <script src="/static/assets/vendor/php-email-form/validate.js"></script>

  <!-- Template Main JS File -->
  <script src="/static/assets/js/main.js"></script>
```

```
</body>

</html>
```

App.py:

```python
from flask import Flask , redirect , url_for , render_template
app = Flask(__name__)
@app.route('/')
def home():
    return render_template(r"index.html")
if __name__=='__main__':
    app.run(debug=False , port=8000)
```

Sytle.css:

```css
/**
* Template Name: Append
* Updated: Jun 20 2023 with Bootstrap v5.3.0
* Template URL: https://bootstrapmade.com/append-bootstrap-website-template/
* Author: BootstrapMade.com
* License: https://bootstrapmade.com/license/
*/


/*--------------------------------------------------------------
# Font & Color Variables
# Help: https://bootstrapmade.com/color-system/
--------------------------------------------------------------*/
/* Fonts */
#viz1687600549720{
  margin-left: 175px;
  margin-right:175px;
  background-color: #000000;
}
#viz1687601107733{
  margin-left: 100px;
  margin-right:100px;
  background-color: #000000;


}
```

```css
:root {
  --font-default: "Open Sans", system-ui, -apple-system, "Segoe UI", Roboto,
"Helvetica Neue", Arial, "Noto Sans", "Liberation Sans", sans-serif, "Apple
Color Emoji", "Segoe UI Emoji", "Segoe UI Symbol", "Noto Color Emoji";
  --font-primary: "Montserrat", sans-serif;
  --font-secondary: "Lato", sans-serif;
}

/* Global Colors */
:root {
  --color-default: #212529;
  --color-default-rgb: 33, 37, 41;
  --color-background: #ffffff;
  --color-background-rgb: 255, 255, 255;
  --color-primary: #e84545;
  --color-primary-rgb: 232, 69, 69;
  --color-secondary: #32353a;
  --color-secondary-rgb: 50, 53, 58;
  --color-box-background: #ffffff;
  --color-box-background-rgb: 255, 255, 255;
  --color-inverse: #ffffff;
  --color-inverse-rgb: 255, 255, 255;
}

/* Nav Menu Colors */
:root {
  --color-nav: #3a3939;
  --color-nav-hover: #e84545;
  --color-nav-dropdown: #3a3939;
  --color-nav-dropdown-hover: #e84545;
  --color-nav-dropdown-background: #ffffff;
  --color-nav-mobile-background: #ffffff;
}

/* Smooth scroll */
:root {
  scroll-behavior: smooth;
}

/*--------------------------------------------------------------
# General
--------------------------------------------------------------*/
body {
 background-color: #000000;
 color: #000000;
  font-family: var(--font-default);
}
```

```css
a {
  color: var(--color-primary);
  text-decoration: none;
  transition: 0.3s;
}

a:hover {
  color: rgba(var(--color-primary-rgb), 0.7);
  text-decoration: none;
}

h1,
h2,
h3,
h4,
h5,
h6 {
  font-family: var(--font-primary);
}

section {
  color: var(--color-default);
  background-color: var(--color-background);
  padding: 60px 0;
  overflow: clip;
}

/*--------------------------------------------------------------
# Section Title
--------------------------------------------------------------*/
.section-title {
  text-align: center;
  padding-bottom: 60px;
}

.section-title h2 {
  color: var(--color-secondary);
  font-size: 32px;
  font-weight: 700;
  position: relative;
}

.section-title h2:before,
.section-title h2:after {
  content: "";
  width: 50px;
  height: 2px;
  background: var(--color-primary);
```

```css
  display: inline-block;
}

.section-title h2:before {
  margin: 0 15px 10px 0;
}

.section-title h2:after {
  margin: 0 0 10px 15px;
}

.section-title p {
  margin-bottom: 0;
}

/*--------------------------------------------------------------
# Page Title & Breadcrumbs
--------------------------------------------------------------*/
.page-title {
  --color-box-background: rgba(var(--color-default-rgb), .05);
  color: var(--color-default);
  background-color: var(--color-background);
}

.page-title .heading {
  padding: 80px 0;
  border-top: 1px solid rgba(var(--color-default-rgb), 0.1);
}

.page-title .heading h1 {
  font-size: 38px;
  font-weight: 700;
  color: var(--color-secondary);
}

.page-title nav {
  background-color: var(--color-box-background);
  padding: 20px 0;
}

.page-title nav ol {
  display: flex;
  flex-wrap: wrap;
  list-style: none;
  margin: 0;
  font-size: 16px;
  font-weight: 600;
}
```

```css
.page-title nav ol li+li {
  padding-left: 10px;
}

.page-title nav ol li+li::before {
  content: "/";
  display: inline-block;
  padding-right: 10px;
  color: rgba(var(--color-default-rgb), 0.3);
}

/*--------------------------------------------------------------
# Global Header
--------------------------------------------------------------*/
.header {
  --color-background: #ffffff;
  --color-inverse: #ffffff;
  color: var(--color-default);
  background-color: var(--color-background);
  padding: 15px 0;
  transition: all 0.5s;
  z-index: 997;
}

.header .logo img {
  max-height: 40px;
  margin-right: 6px;
}

.header .logo h1 {
  font-size: 24px;
  margin: 0;
  font-weight: 600;
  color: var(--color-secondary);
}

.header .logo span {
  color: var(--color-primary);
  font-size: 24px;
  font-weight: 600;
  padding-left: 3px;
}

.header .btn-getstarted,
.header .btn-getstarted:focus {
  color: var(--color-inverse);
  background: var(--color-primary);
```

```css
    font-size: 14px;
    padding: 8px 26px;
    margin: 0;
    border-radius: 4px;
    transition: 0.3s;
}

.header .btn-getstarted:hover,
.header .btn-getstarted:focus:hover {
    color: var(--color-inverse);
    background: rgba(var(--color-primary-rgb), 0.85);
}

@media (max-width: 1200px) {
    .header .logo {
        order: 1;
    }

    .header .btn-getstarted {
        order: 2;
        margin: 0 15px 0 0;
        padding: 6px 20px;
    }

    .header .navmenu {
        order: 3;
    }
}

/* Global Header on page scroll
----------------------------*/
.scrolled .header {
    --color-background: #ffffff;
    --color-secondary: #444444;
    --color-nav: #444444;
    --color-nav-hover: #e84545;
    box-shadow: 0 0 30px 10px rgba(0, 0, 0, 0.1);
}

/* Global Scroll Margin Top
----------------------------*/
section {
    background-color: lightgrey;
    scroll-margin-top: 90px;
}

@media (max-width: 1199px) {
    section {
```

```css
    scroll-margin-top: 66px;
  }
}

/* Home Page Custom Header
-----------------------------*/
.index-page .header {
  --color-background: rgba(255, 255, 255, 0);
  --color-secondary: #ffffff;
  --color-nav: rgba(255, 255, 255, 0.515);
  --color-nav-hover: #ffffff;
}

/* Home Page Custom Header on page scroll
-----------------------------*/
.index-page.scrolled .header {
  --color-background: #ffffff;
  --color-secondary: #444444;
  --color-nav: #444444;
  --color-nav-hover: #d83535;
}

/*--------------------------------------------------------------
# Navigation Menu
--------------------------------------------------------------*/
/* Desktop Navigation */
@media (min-width: 1200px) {
  .navmenu {
    padding: 0;
  }

  .navmenu ul {
    margin: 0;
    padding: 0;
    display: flex;
    list-style: none;
    align-items: center;
  }

  .navmenu li {
    position: relative;
  }

  .navmenu a,
  .navmenu a:focus {
    color: var(--color-nav);
    padding: 18px 15px;
    font-size: 16px;
```

```css
  font-family: var(--font-secondary);
  font-weight: 400;
  display: flex;
  align-items: center;
  justify-content: space-between;
  white-space: nowrap;
  transition: 0.3s;
}

.navmenu a i,
.navmenu a:focus i {
  font-size: 12px;
  line-height: 0;
  margin-left: 5px;
  transition: 0.3s;
}

.navmenu li:last-child a {
  padding-right: 0;
}

.navmenu li:hover>a,
.navmenu .active,
.navmenu .active:focus {
  color: var(--color-nav-hover);
}

.navmenu .dropdown ul {
  margin: 0;
  padding: 10px 0;
  background: var(--color-nav-dropdown-background);
  display: block;
  position: absolute;
  visibility: hidden;
  left: 14px;
  top: 130%;
  opacity: 0;
  transition: 0.3s;
  border-radius: 4px;
  z-index: 99;
}

.navmenu .dropdown ul li {
  min-width: 200px;
}

.navmenu .dropdown ul a {
  padding: 10px 20px;
```

```css
  font-size: 15px;
  text-transform: none;
  color: var(--color-nav-dropdown);
}

.navmenu .dropdown ul a i {
  font-size: 12px;
}

.navmenu .dropdown ul a:hover,
.navmenu .dropdown ul .active:hover,
.navmenu .dropdown ul li:hover>a {
  color: var(--color-nav-dropdown-hover);
}

.navmenu .dropdown:hover>ul {
  opacity: 1;
  top: 100%;
  visibility: visible;
}

.navmenu .dropdown .dropdown ul {
  top: 0;
  left: -90%;
  visibility: hidden;
}

.navmenu .dropdown .dropdown:hover>ul {
  opacity: 1;
  top: 0;
  left: -100%;
  visibility: visible;
}

.navmenu .megamenu {
  position: static;
}

.navmenu .megamenu ul {
  margin: 0;
  padding: 10px;
  background: var(--color-nav-dropdown-background);
  box-shadow: 0px 0px 20px rgba(var(--color-default-rgb), 0.1);
  display: block;
  position: absolute;
  top: 130%;
  left: 0;
  right: 0;
```

```css
      visibility: hidden;
      opacity: 0;
      display: flex;
      transition: 0.3s;
      border-radius: 4px;
      z-index: 99;
    }

  .navmenu .megamenu ul li {
      flex: 1;
    }

  .navmenu .megamenu ul li a,
  .navmenu .megamenu ul li:hover>a {
      padding: 10px 20px;
      font-size: 15px;
      color: var(--color-nav-dropdown);
    }

  .navmenu .megamenu ul li a:hover,
  .navmenu .megamenu ul li .active,
  .navmenu .megamenu ul li .active:hover {
      color: var(--color-nav-dropdown-hover);
    }

  .navmenu .megamenu:hover>ul {
      opacity: 1;
      top: 100%;
      visibility: visible;
    }

  .navmenu .dd-box-shadow {
      box-shadow: 0px 0px 30px rgba(var(--color-default-rgb), 0.15);
    }
}

/* Mobile Navigation */
@media (max-width: 1199px) {
  .mobile-nav-toggle {
      color: var(--color-nav);
      font-size: 28px;
      line-height: 0;
      margin-right: 10px;
      cursor: pointer;
      transition: color 0.3s;
    }

  .navmenu {
```

```css
  padding: 0;
  z-index: 9997;
}

.navmenu ul {
  display: none;
  position: absolute;
  inset: 60px 20px 20px 20px;
  padding: 10px 0;
  margin: 0;
  border-radius: 6px;
  background-color: var(--color-nav-mobile-background);
  overflow-y: auto;
  transition: 0.3s;
  z-index: 9998;
  box-shadow: 0px 0px 30px rgba(var(--color-default-rgb), 0.1);
}

.navmenu a,
.navmenu a:focus {
  color: var(--color-nav-dropdown);
  padding: 10px 20px;
  font-family: var(--font-secondary);
  font-size: 17px;
  font-weight: 500;
  display: flex;
  align-items: center;
  justify-content: space-between;
  white-space: nowrap;
  transition: 0.3s;
}

.navmenu a i,
.navmenu a:focus i {
  font-size: 12px;
  line-height: 0;
  margin-left: 5px;
  width: 30px;
  height: 30px;
  display: flex;
  align-items: center;
  justify-content: center;
  border-radius: 50%;
  transition: 0.3s;
  background-color: rgba(var(--color-primary-rgb), 0.1);
}

.navmenu a i:hover,
```

```css
.navmenu a:focus i:hover {
  background-color: var(--color-primary);
  color: var(--color-inverse);
}

.navmenu a:hover,
.navmenu .active,
.navmenu .active:focus {
  color: var(--color-nav-dropdown-hover);
}

.navmenu .active i,
.navmenu .active:focus i {
  background-color: var(--color-primary);
  color: var(--color-inverse);
  transform: rotate(180deg);
}

.navmenu .dropdown ul,
.navmenu .megamenu ul {
  position: static;
  display: none;
  z-index: 99;
  padding: 10px 0;
  margin: 10px 20px;
  background-color: var(--color-nav-dropdown-background);
  transition: all 0.5s ease-in-out;
}

.navmenu .dropdown ul ul,
.navmenu .megamenu ul ul {
  background-color: rgba(33, 37, 41, 0.1);
}

.navmenu .dropdown>.dropdown-active,
.navmenu .megamenu>.dropdown-active {
  display: block;
  background-color: rgba(33, 37, 41, 0.03);
}

.mobile-nav-active {
  overflow: hidden;
}

.mobile-nav-active .mobile-nav-toggle {
  color: #fff;
  position: absolute;
  font-size: 32px;
```

```css
    top: 15px;
    right: 15px;
    margin-right: 0;
    z-index: 9999;
  }

  .mobile-nav-active .navmenu {
    position: fixed;
    overflow: hidden;
    inset: 0;
    background: rgba(33, 37, 41, 0.8);
    transition: 0.3s;
  }

  .mobile-nav-active .navmenu>ul {
    display: block;
  }
}

/*--------------------------------------------------------------
# Scroll Top Button
--------------------------------------------------------------*/
.scroll-top {
  position: fixed;
  visibility: hidden;
  opacity: 0;
  right: 15px;
  bottom: 15px;
  z-index: 99999;
  background-color: var(--color-primary);
  width: 40px;
  height: 40px;
  border-radius: 4px;
  transition: all 0.4s;
}

.scroll-top i {
  font-size: 24px;
  color: #ffffff;
  line-height: 0;
}

.scroll-top:hover {
  background-color: rgba(var(--color-primary-rgb), 0.8);
  color: #ffffff;
}

.scroll-top.active {
```

```css
    visibility: visible;
    opacity: 1;
}


/*--------------------------------------------------------------
# Preloader
--------------------------------------------------------------*/
#preloader {
    position: fixed;
    inset: 0;
    z-index: 9999;
    overflow: hidden;
    background-color: var(--color-background);
    transition: all 0.6s ease-out;
    width: 100%;
    height: 100vh;
    display: flex;
    align-items: center;
    justify-content: center;
}

#preloader div {
    width: 13px;
    height: 13px;
    background-color: var(--color-primary);
    border-radius: 50%;
    animation-timing-function: cubic-bezier(0, 1, 1, 0);
    position: absolute;
    left: 50%;
}

#preloader div:nth-child(1) {
    left: calc(50% + 8px);
    animation: animate-preloader-1 0.6s infinite;
}

#preloader div:nth-child(2) {
    left: calc(50% + 8px);
    animation: animate-preloader-2 0.6s infinite;
}

#preloader div:nth-child(3) {
    left: calc(50% + 32px);
    animation: animate-preloader-2 0.6s infinite;
}

#preloader div:nth-child(4) {
    left: calc(50% + 56px);
```

```css
    animation: animate-preloader-3 0.6s infinite;
}

@keyframes animate-preloader-1 {
  0% {
    transform: scale(0);
  }

  100% {
    transform: scale(1);
  }
}

@keyframes animate-preloader-3 {
  0% {
    transform: scale(1);
  }

  100% {
    transform: scale(0);
  }
}

@keyframes animate-preloader-2 {
  0% {
    transform: translate(0, 0);
  }

  100% {
    transform: translate(24px, 0);
  }
}

/*--------------------------------------------------------------
# Disable aos animation delay on mobile devices
--------------------------------------------------------------*/
@media screen and (max-width: 768px) {
  [data-aos-delay] {
    transition-delay: 0 !important;
  }
}

/*--------------------------------------------------------------
# Footer
--------------------------------------------------------------*/
.footer {
  --color-background: #f4f4f4;
  --color-box-background: #eaeaea;
```

```css
  color: var(--color-default);
  background-color: var(--color-background);
  font-size: 14px;
  padding-bottom: 50px;
}

.footer .footer-top {
  padding-top: 50px;
}

.footer .footer-about .logo {
  line-height: 0;
  margin-bottom: 25px;
}

.footer .footer-about .logo img {
  max-height: 40px;
  margin-right: 6px;
}

.footer .footer-about .logo span {
  color: var(--color-secondary);
  font-size: 30px;
  font-weight: 700;
  letter-spacing: 1px;
  font-family: var(--font-primary);
}

.footer .footer-about p {
  font-size: 14px;
  font-family: var(--font-primary);
}

.footer .social-links a {
  display: flex;
  align-items: center;
  justify-content: center;
  width: 40px;
  height: 40px;
  border-radius: 50%;
  border: 1px solid rgba(var(--color-default-rgb), 0.5);
  font-size: 16px;
  color: rgba(var(--color-default-rgb), 0.5);
  margin-right: 10px;
  transition: 0.3s;
}

.footer .social-links a:hover {
```

```css
  color: var(--color-primary);
  border-color: var(--color-primary);
}

.footer h4 {
  color: var(--color-secondary);
  font-size: 16px;
  font-weight: bold;
  position: relative;
  padding-bottom: 12px;
}

.footer .footer-links {
  margin-bottom: 30px;
}

.footer .footer-links ul {
  list-style: none;
  padding: 0;
  margin: 0;
}

.footer .footer-links ul i {
  padding-right: 2px;
  font-size: 12px;
  line-height: 0;
}

.footer .footer-links ul li {
  padding: 10px 0;
  display: flex;
  align-items: center;
}

.footer .footer-links ul li:first-child {
  padding-top: 0;
}

.footer .footer-links ul a {
  color: rgba(var(--color-default-rgb), 0.8);
  display: inline-block;
  line-height: 1;
}

.footer .footer-links ul a:hover {
  color: var(--color-primary);
}
```

```css
.footer .footer-contact p {
  margin-bottom: 5px;
}

.footer .copyright {
  padding-top: 25px;
  padding-bottom: 25px;
  background-color: var(--color-box-background);
}

.footer .copyright p {
  margin-bottom: 0;
}

.footer .credits {
  margin-top: 6px;
  font-size: 13px;
}

/*----------------------------------------------------------
# Home Page
----------------------------------------------------------*/
/* home Section - Home Page
----------------------------*/
.home {
  --color-default: #ffffff;
  --color-default-rgb: 255, 255, 255;
  --color-background: #000000;
  --color-background-rgb: 0, 0, 0;
  width: 100%;
  min-height: 100vh;
  position: relative;
  padding: 160px 0 80px 0;
  display: flex;
  align-items: center;
  justify-content: center;
}

.home img {
  position: absolute;
  inset: 0;
  display: block;
  width: 100%;
  height: 100%;
  -o-object-fit: cover;
  object-fit: cover;
  z-index: 1;
}
```

```css
.homw:before {
  content: "";
  background: rgba(var(--color-background-rgb), 0.5);
  position: absolute;
  inset: 0;
  z-index: 2;
}

.home .container {
  position: relative;
  z-index: 3;
  margin-top:220px;
}

.home h2 {
  margin: 0;
  font-size: 44px;
  font-weight: 700;
}

.home p {
  color: rgba(var(--color-default-rgb), 0.8);
  margin: 5px 0 0 0;
  font-size: 20px;
}

.home .sign-up-form {
  margin-top: 20px;
  padding: 10px;
  border-radius: 7px;
  background: var(--color-box-background);
  box-shadow: 0 15px 30px 0 rgba(0, 0, 0, 0.1);
}

.home .sign-up-form .form-control {
  border: none;
}

.home .sign-up-form .form-control:active,
.home .sign-up-form .form-control:focus {
  outline: none;
  box-shadow: none;
}

.home .sign-up-form input[type=submit] {
  box-shadow: 0 15px 30px 0 rgba(0, 0, 0, 0.2);
  background-color: var(--color-primary);
```

```css
    border-color: var(--color-primary);
    padding: 8px 20px 10px 20px;
    border-radius: 7px;
    color: var(--color-inverse);
}

.home .sign-up-form input[type=submit]:hover {
    background-color: rgba(var(--color-primary-rgb), 0.9);
}

@media (max-width: 768px) {
    .home h2 {
        font-size: 32px;
    }

    .home p {
        font-size: 18px;
    }
}

/* Clients Section - Home Page
------------------------------*/
.clients {
    padding: 10px 0;
}

.clients .client-logo {
    display: flex;
    justify-content: center;
    align-items: center;
    overflow: hidden;
}

.clients .client-logo img {
    padding: 40px;
    max-width: 80%;
    transition: 0.3s;
    opacity: 0.5;
    filter: grayscale(100);
}

.clients .client-logo img:hover {
    filter: none;
    opacity: 1;
}

@media (max-width: 640px) {
    .clients .client-logo img {
```

```css
      padding: 20px;
  }
}

/* About Section - Home Page
----------------------------*/
.about {
  background-color:darkgray;
}

.about .content h3 {
  font-size: 16px;
  font-weight: 500;
  line-height: 19px;
  padding: 10px 20px;
  background: rgba(var(--color-primary-rgb), 0.05);
  color: var(--color-primary);
  border-radius: 7px;
  display: inline-block;
}

.about .content h2 {
  color: var(--color-secondary);
  font-weight: 700;
}

.about .content p:last-child {
  margin-bottom: 0;
}

.about .content .read-more {
  background: var(--color-primary);
  color: var(--color-inverse);
  font-family: var(--font-primary);
  font-weight: 500;
  font-size: 16px;
  letter-spacing: 1px;
  padding: 12px 24px;
  border-radius: 5px;
  transition: 0.3s;
  display: inline-flex;
  align-items: center;
  justify-content: center;
}

.about .content .read-more i {
  font-size: 18px;
  margin-left: 5px;
```

```css
    line-height: 0;
    transition: 0.3s;
}

.about .content .read-more:hover {
    background: rgba(var(--color-primary-rgb), 0.8);
    padding-right: 19px;
}

.about .content .read-more:hover i {
    margin-left: 10px;
}

.about .icon-box {
    padding: 50px 40px;
    box-shadow: 0px 10px 50px rgba(0, 0, 0, 0.1);
    border-radius: 10px;
    transition: all 0.3s ease-out 0s;
    background-color: var(--color-box-background);
}

.about .icon-box i {
    width: 80px;
    height: 80px;
    border-radius: 50%;
    display: inline-flex;
    align-items: center;
    justify-content: center;
    margin-bottom: 24px;
    font-size: 32px;
    line-height: 0;
    transition: all 0.4s ease-out 0s;
    background-color: rgba(var(--color-primary-rgb), 0.05);
    color: var(--color-primary);
}

.about .icon-box h3 {
    color: var(--color-secondary);
    margin-bottom: 10px;
    font-size: 24px;
    font-weight: 700;
}

.about .icon-box p {
    margin-bottom: 0;
}

.about .icon-box:hover i {
```

```css
    background-color: var(--color-primary);
    color: var(--color-inverse);
}

.about .icon-boxes .col-md-6:nth-child(2) .icon-box,
.about .icon-boxes .col-md-6:nth-child(4) .icon-box {
  margin-top: -40px;
}

@media (max-width: 768px) {

  .about .icon-boxes .col-md-6:nth-child(2) .icon-box,
  .about .icon-boxes .col-md-6:nth-child(4) .icon-box {
    margin-top: 0;
  }
}

/* Stats Section - Home Page
-----------------------------*/
.stats {
  --color-default: #ffffff;
  --color-default-rgb: 255, 255, 255;
  --color-background: #000000;
  --color-background-rgb: 0, 0, 0;
  position: relative;
  padding: 120px 0;
}

.stats img {
  position: absolute;
  inset: 0;
  display: block;
  width: 100%;
  height: 100%;
  -o-object-fit: cover;
  object-fit: cover;
  z-index: 1;
}

.stats:before {
  content: "";
  background: rgba(var(--color-background-rgb), 0.6);
  position: absolute;
  inset: 0;
  z-index: 2;
}

.stats .container {
```

```css
  position: relative;
  z-index: 3;
}

.stats .stats-item {
  padding: 30px;
  width: 100%;
}

.stats .stats-item span {
  font-size: 48px;
  display: block;
  color: var(--color-default);
  font-weight: 700;
}

.stats .stats-item p {
  padding: 0;
  margin: 0;
  font-family: var(--font-primary);
  font-size: 16px;
  font-weight: 700;
  color: rgba(var(--color-default-rgb), 0.6);
}

/* Services Section - Home Page
--------------------------*/
.services .service-item {
  position: relative;
  padding-top: 40px;
}

.services .service-item:before {
  content: "";
  position: absolute;
  top: 0;
  left: 0;
  right: 0;
  height: 2px;
  background: rgba(var(--color-default-rgb), 0.1);
}

.services .service-item::after {
  content: "";
  position: absolute;
  top: 0;
  left: 0;
  width: 30px;
```

```css
  height: 2px;
  background: var(--color-primary);
  border-right: 5px solid var(--color-background);
}

.services .service-item .icon {
  width: 48px;
  height: 48px;
  position: relative;
  margin-right: 50px;
  line-height: 0;
}

.services .service-item .icon i {
  color: rgba(var(--color-default-rgb), 0.7);
  font-size: 56px;
  transition: ease-in-out 0.3s;
  z-index: 2;
  position: relative;
}

.services .service-item .icon:before {
  position: absolute;
  content: "";
  height: 30px;
  width: 30px;
  background: rgba(var(--color-primary-rgb), 0.3);
  border-radius: 50px;
  z-index: 1;
  bottom: -15px;
  right: -15px;
  transition: 0.3s;
}

.services .service-item .title {
  font-weight: 700;
  margin-bottom: 15px;
  font-size: 18px;
}

.services .service-item .title a {
  color: var(--color-secondary);
}

.services .service-item .title a:hover {
  color: var(--color-primary);
}
```

```css
.services .service-item .description {
  line-height: 24px;
  font-size: 14px;
}

/* Features Section - Home Page
-------------------------------*/
.features .features-item {
  color: rgba(var(--color-default-rgb), 0.8);
}

.features .features-item+.features-item {
  margin-top: 100px;
}

@media (max-width: 768px) {
  .features .features-item+.features-item {
    margin-top: 40px;
  }
}

.features .features-item h3 {
  color: var(--color-secondary);
  font-weight: 700;
  font-size: 26px;
}

.features .features-item .btn-get-started {
  background-color: var(--color-primary);
  color: var(--color-inverse);
  padding: 8px 30px 10px 30px;
  border-radius: 4px;
}

.features .features-item .btn-get-started:hover {
  background-color: rgba(var(--color-primary-rgb), 0.9);
}

.features .features-item ul {
  list-style: none;
  padding: 0;
}

.features .features-item ul li {
  padding-bottom: 10px;
  display: flex;
  align-items: flex-start;
}
```

```css
.features .features-item ul li:last-child {
  padding-bottom: 0;
}

.features .features-item ul i {
  font-size: 20px;
  padding-right: 4px;
  color: var(--color-primary);
}

.features .features-item img {
  border: 6px solid var(--color-box-background);
  box-shadow: 0 15px 30px -10px rgba(0, 0, 0, 0.1);
}

.features .features-item .features-img-bg {
  position: relative;
  min-height: 500px;
}

@media (max-width: 640px) {
  .features .features-item .features-img-bg {
    min-height: 300px;
  }
}

.features .features-item .features-img-bg img {
  position: absolute;
  inset: 0;
  display: block;
  width: 100%;
  height: 100%;
  -o-object-fit: cover;
  object-fit: cover;
}

.features .features-item .image-stack {
  display: grid;
  position: relative;
  grid-template-columns: repeat(12, 1fr);
}

.features .features-item .image-stack .stack-back {
  grid-column: 4/-1;
  grid-row: 1;
  width: 100%;
  z-index: 1;
```

```css
}

.features .features-item .image-stack .stack-front {
  grid-row: 1;
  grid-column: 1/span 8;
  margin-top: 20%;
  width: 100%;
  z-index: 2;
}

/* Portfolio Section - Home Page
-----------------------------*/
.portfolio .portfolio-filters {
  padding: 0;
  margin: 0 auto 20px auto;
  list-style: none;
  text-align: center;
}

.portfolio .portfolio-filters li {
  cursor: pointer;
  display: inline-block;
  padding: 8px 20px 10px 20px;
  margin: 0;
  font-size: 15px;
  font-weight: 500;
  line-height: 1;
  margin-bottom: 5px;
  border-radius: 50px;
  transition: all 0.3s ease-in-out;
  font-family: var(--font-secondary);
}

.portfolio .portfolio-filters li:hover,
.portfolio .portfolio-filters li.filter-active {
  color: var(--color-inverse);
  background-color: var(--color-primary);
}

.portfolio .portfolio-filters li:first-child {
  margin-left: 0;
}

.portfolio .portfolio-filters li:last-child {
  margin-right: 0;
}

@media (max-width: 575px) {
```

```css
  .portfolio .portfolio-filters li {
    font-size: 14px;
    margin: 0 0 10px 0;
  }
}

.portfolio .portfolio-item {
  position: relative;
  overflow: hidden;
}

.portfolio .portfolio-item .portfolio-info {
  opacity: 0;
  position: absolute;
  left: 12px;
  right: 12px;
  bottom: -100%;
  z-index: 3;
  transition: all ease-in-out 0.5s;
  background: rgba(var(--color-box-background-rgb), 0.9);
  padding: 15px;
}

.portfolio .portfolio-item .portfolio-info h4 {
  color: var(--color-secondary);
  font-size: 18px;
  font-weight: 600;
  padding-right: 50px;
}

.portfolio .portfolio-item .portfolio-info p {
  color: rgba(var(--color-default-rgb), 0.7);
  font-size: 14px;
  margin-bottom: 0;
  padding-right: 50px;
}

.portfolio .portfolio-item .portfolio-info .preview-link,
.portfolio .portfolio-item .portfolio-info .details-link {
  position: absolute;
  right: 50px;
  font-size: 24px;
  top: calc(50% - 14px);
  color: rgba(var(--color-default-rgb), 0.7);
  transition: 0.3s;
  line-height: 0;
}
```

```css
.portfolio .portfolio-item .portfolio-info .preview-link:hover,
.portfolio .portfolio-item .portfolio-info .details-link:hover {
  color: var(--color-primary);
}


.portfolio .portfolio-item .portfolio-info .details-link {
  right: 14px;
  font-size: 28px;
}


.portfolio .portfolio-item:hover .portfolio-info {
  opacity: 1;
  bottom: 0;
}

/* Pricing Section - Home Page
--------------------------*/
.pricing {
  padding: 60px 0 120px 0;
}


.pricing .section-title {
  margin-bottom: 40px;
}


.pricing .pricing-item {
  background: var(--color-box-background);
  box-shadow: 0 3px 20px -2px rgba(var(--color-default-rgb), 0.1);
  padding: 60px 40px;
  height: 100%;
  position: relative;
  border-radius: 15px;
}


.pricing h3 {
  color: var(--color-secondary);
  font-weight: 600;
  margin-bottom: 15px;
  font-size: 20px;
  text-align: center;
}


.pricing .icon {
  margin: 30px auto 20px auto;
  width: 70px;
  height: 70px;
  background: var(--color-primary);
  border-radius: 50%;
```

```css
  display: flex;
  align-items: center;
  justify-content: center;
  transition: 0.3s;
  transform-style: preserve-3d;
}

.pricing .icon i {
  color: var(--color-background);
  font-size: 28px;
  transition: ease-in-out 0.3s;
  line-height: 0;
}

.pricing .icon::before {
  position: absolute;
  content: "";
  height: 86px;
  width: 86px;
  border-radius: 50%;
  background: rgba(var(--color-primary-rgb), 0.2);
  transition: all 0.3s ease-out 0s;
  transform: translateZ(-1px);
}

.pricing .icon::after {
  position: absolute;
  content: "";
  height: 102px;
  width: 102px;
  border-radius: 50%;
  background: rgba(var(--color-primary-rgb), 0.1);
  transition: all 0.3s ease-out 0s;
  transform: translateZ(-2px);
}

.pricing h4 {
  font-size: 48px;
  color: var(--color-primary);
  font-weight: 700;
  font-family: var(--font-primary);
  margin-bottom: 25px;
  text-align: center;
}

.pricing h4 sup {
  font-size: 28px;
}
```

```css
.pricing h4 span {
  color: rgba(var(--color-default-rgb), 0.5);
  font-size: 18px;
  font-weight: 400;
}

.pricing ul {
  padding: 20px 0;
  list-style: none;
  color: rgba(var(--color-default-rgb), 0.8);
  text-align: left;
  line-height: 20px;
}

.pricing ul li {
  padding: 10px 0;
  display: flex;
  align-items: center;
}

.pricing ul i {
  color: #059652;
  font-size: 24px;
  padding-right: 3px;
}

.pricing ul .na {
  color: rgba(var(--color-default-rgb), 0.3);
}

.pricing ul .na i {
  color: rgba(var(--color-default-rgb), 0.3);
}

.pricing ul .na span {
  text-decoration: line-through;
}

.pricing .buy-btn {
  color: rgba(var(--color-default-rgb), 0.8);
  background-color: var(--color-inverse);
  display: inline-block;
  padding: 10px 40px;
  border-radius: 4px;
  border: 1px solid rgba(var(--color-default-rgb), 0.2);
  transition: none;
  font-size: 16px;
```

```css
    font-weight: 600;
    font-family: var(--font-primary);
    transition: 0.3s;
}

.pricing .buy-btn:hover {
    background-color: var(--color-primary);
    color: var(--color-inverse);
}

.pricing .featured {
    z-index: 10;
    border: 3px solid var(--color-primary);
}

.pricing .featured .buy-btn {
    background-color: var(--color-primary);
    color: var(--color-inverse);
}

.pricing .featured .buy-btn:hover {
    background-color: rgba(var(--color-primary-rgb), 0.9);
}

@media (min-width: 992px) {
    .pricing .featured {
        transform: scale(1.15);
    }
}

/* Faq Section - Home Page
------------------------------*/
.faq .content h3 {
    color: var(--color-secondary);
    font-weight: 400;
    font-size: 34px;
}

.faq .content p {
    font-size: 15px;
    color: rgba(var(--color-default-rgb), 0.7);
}

.faq .faq-container .faq-item {
    position: relative;
    padding: 20px;
    margin-bottom: 20px;
    box-shadow: 0px 5px 25px 0px rgba(var(--color-default-rgb), 0.1);
```

```css
    overflow: hidden;
}

.faq .faq-container .faq-item:last-child {
    margin-bottom: 0;
}

.faq .faq-container .faq-item h3 {
    color: var(--color-secondary);
    font-weight: 600;
    font-size: 18px;
    line-height: 24px;
    margin: 0 30px 0 0;
    transition: 0.3s;
    cursor: pointer;
    display: flex;
    align-items: flex-start;
}

.faq .faq-container .faq-item h3 .num {
    color: var(--color-primary);
    padding-right: 5px;
}

.faq .faq-container .faq-item h3:hover {
    color: var(--color-primary);
}

.faq .faq-container .faq-item .faq-content {
    display: grid;
    grid-template-rows: 0fr;
    transition: 0.3s ease-in-out;
    visibility: hidden;
    opacity: 0;
}

.faq .faq-container .faq-item .faq-content p {
    margin-bottom: 0;
    overflow: hidden;
}

.faq .faq-container .faq-item .faq-toggle {
    position: absolute;
    top: 20px;
    right: 20px;
    font-size: 16px;
    line-height: 0;
    transition: 0.3s;
```

```css
    cursor: pointer;
}

.faq .faq-container .faq-item .faq-toggle:hover {
  color: var(--color-primary);
}

.faq .faq-container .faq-active h3 {
  color: var(--color-primary);
}

.faq .faq-container .faq-active .faq-content {
  grid-template-rows: 1fr;
  visibility: visible;
  opacity: 1;
  padding-top: 10px;
}

.faq .faq-container .faq-active .faq-toggle {
  transform: rotate(90deg);
  color: var(--color-primary);
}

/* Team Section - Home Page
-----------------------------*/
.team {
  --color-background: #f4f4f4;
  --color-box-background-rgb: 0, 0, 0;
}

.team .member {
  position: relative;
}

.team .member .member-img {
  margin: 0 80px;
  border-radius: 50%;
  overflow: hidden;
  position: relative;
  border: 4px solid var(--color-box-background);
  box-shadow: 0 15px 35px -10px rgba(0, 0, 0, 0.2);
}

@media (max-width: 1024px) {
  .team .member .member-img {
    margin: 0 60px;
  }
}
```

```css
.team .member .member-img img {
  position: relative;
  z-index: 1;
}

.team .member .member-img .social {
  position: absolute;
  inset: 0;
  background-color: rgba(var(--color-box-background-rgb), 0.6);
  display: flex;
  justify-content: center;
  align-items: center;
  z-index: 2;
  padding-bottom: 20px;
  transition: 0.3s;
  visibility: hidden;
  opacity: 0;
}

.team .member .member-img .social a {
  transition: 0.3s;
  color: var(--color-inverse);
  font-size: 20px;
  margin: 0 8px;
}

.team .member .member-img .social a:hover {
  color: var(--color-primary);
}

.team .member .member-info {
  margin-top: 30px;
}

.team .member .member-info h4 {
  color: var(--color-secondary);
  font-weight: 700;
  margin-bottom: 6px;
  font-size: 18px;
}

.team .member .member-info span {
  font-style: italic;
  display: block;
  font-size: 15px;
  color: rgba(var(--color-default-rgb), 0.6);
  margin-bottom: 10px;
```

```css
}

.team .member .member-info p {
  margin-bottom: 0;
  font-size: 14px;
}

.team .member:hover .member-img .social {
  padding-bottom: 0;
  visibility: visible;
  opacity: 1;
}

/* Call-to-action Section - Home Page
------------------------------*/
.call-to-action {
  --color-default: #ffffff;
  --color-background: #000000;
  --color-background-rgb: 0, 0, 0;
  padding: 80px 0;
  position: relative;
  -webkit-clip-path: inset(0);
  clip-path: inset(0);
}

.call-to-action img {
  position: fixed;
  top: 0;
  left: 0;
  display: block;
  width: 100%;
  height: 100%;
  -o-object-fit: cover;
  object-fit: cover;
  z-index: 1;
}

.call-to-action:before {
  content: "";
  background: rgba(var(--color-background-rgb), 0.5);
  position: absolute;
  inset: 0;
  z-index: 2;
}

.call-to-action .container {
  position: relative;
  z-index: 3;
```

```css
}

.call-to-action h3 {
  font-size: 28px;
  font-weight: 700;
  color: var(--color-default);
}

.call-to-action p {
  color: var(--color-default);
}

.call-to-action .cta-btn {
  font-family: var(--font-primary);
  font-weight: 500;
  font-size: 16px;
  letter-spacing: 1px;
  display: inline-block;
  padding: 12px 40px;
  border-radius: 5px;
  transition: 0.5s;
  margin: 10px;
  border: 2px solid var(--color-inverse);
  color: var(--color-inverse);
}

.call-to-action .cta-btn:hover {
  background: var(--color-primary);
  border: 2px solid var(--color-primary);
}

/* Testimonials Section - Home Page
-----------------------------*/
.testimonials {
  --color-background: #f4f4f4;
}

.testimonials .info h3 {
  color: var(--color-secondary);
  font-weight: 700;
  font-size: 32px;
}

.testimonials .swiper {
  box-shadow: 0 15px 30px 0 rgba(0, 0, 0, 0.05);
  background: var(--color-box-background);
}
```

```css
.testimonials .testimonials-carousel,
.testimonials .testimonials-slider {
  overflow: hidden;
}

.testimonials .testimonial-item {
  box-sizing: content-box;
  min-height: 200px;
  position: relative;
  margin: 30px;
}

.testimonials .testimonial-item .testimonial-img {
  width: 90px;
  height: 90px;
  border-radius: 50px;
  border: 6px solid var(--color-background);
  margin-right: 10px;
}

.testimonials .testimonial-item h3 {
  color: var(--color-secondary);
  font-size: 18px;
  font-weight: bold;
  margin: 10px 0 5px 0;
}

.testimonials .testimonial-item h4 {
  color: rgba(var(--color-default-rgb), 0.5);
  font-size: 14px;
  margin: 0;
}

.testimonials .testimonial-item .stars {
  margin: 10px 0;
}

.testimonials .testimonial-item .stars i {
  color: #ffc107;
  margin: 0 1px;
}

.testimonials .testimonial-item .quote-icon-left,
.testimonials .testimonial-item .quote-icon-right {
  color: rgba(var(--color-primary-rgb), 0.4);
  font-size: 26px;
  line-height: 0;
}
```

```css
.testimonials .testimonial-item .quote-icon-left {
  display: inline-block;
  left: -5px;
  position: relative;
}

.testimonials .testimonial-item .quote-icon-right {
  display: inline-block;
  right: -5px;
  position: relative;
  top: 10px;
  transform: scale(-1, -1);
}

.testimonials .testimonial-item p {
  font-style: italic;
  margin: 15px auto 15px auto;
}

.testimonials .swiper-wrapper {
  height: auto;
}

.testimonials .swiper-pagination {
  margin-top: 20px;
  margin-bottom: 20px;
  position: relative;
}

.testimonials .swiper-pagination .swiper-pagination-bullet {
  width: 10px;
  height: 10px;
  background-color: rgba(var(--color-default-rgb), 0.15);
  opacity: 1;
  border: none;
}

.testimonials .swiper-pagination .swiper-pagination-bullet-active {
  background-color: var(--color-primary);
}

@media (max-width: 767px) {

  .testimonials .testimonials-carousel,
  .testimonials .testimonials-slider {
    overflow: hidden;
  }
```

```css
  .testimonials .testimonial-item {
    margin: 15px;
  }
}

/* Recent-posts Section - Home Page
------------------------------*/
.recent-posts article {
  background-color: var(--color-box-background);
  box-shadow: 0 4px 16px rgba(var(--color-default-rgb), 0.1);
  padding: 30px;
  height: 100%;
  border-radius: 10px;
  overflow: hidden;
}

.recent-posts .post-img {
  max-height: 240px;
  margin: -30px -30px 15px -30px;
  overflow: hidden;
}

.recent-posts .post-category {
  font-size: 16px;
  color: rgba(var(--color-default-rgb), 0.5);
  margin-bottom: 10px;
}

.recent-posts .title {
  font-size: 20px;
  font-weight: 600;
  padding: 0;
  margin: 0 0 20px 0;
}

.recent-posts .title a {
  color: var(--color-secondary);
  transition: 0.3s;
}

.recent-posts .title a:hover {
  color: var(--color-primary);
}

.recent-posts .post-author-img {
  width: 50px;
  border-radius: 50%;
```

```css
    margin-right: 15px;
}

.recent-posts .post-author {
  font-weight: 600;
  margin-bottom: 5px;
}

.recent-posts .post-date {
  font-size: 14px;
  color: rgba(var(--color-default-rgb), 0.5);
  margin-bottom: 0;
}

/* Contact Section - Home Page
---------------------------*/
.contact {
  --color-box-background: #f7f7f7;
}

.contact .info-item {
  background: var(--color-box-background);
  padding: 30px;
}

.contact .info-item i {
  font-size: 38px;
  line-height: 0;
  color: var(--color-primary);
}

.contact .info-item h3 {
  color: var(--color-secondary);
  font-size: 20px;
  font-weight: 700;
  margin: 20px 0 10px 0;
}

.contact .info-item p {
  padding: 0;
  line-height: 24px;
  font-size: 14px;
  margin-bottom: 0;
}

.contact .php-email-form {
  background: var(--color-box-background);
  padding: 30px;
```

```css
  height: 100%;
}

.contact .php-email-form .error-message {
  display: none;
  background: #df1529;
  color: #ffffff;
  text-align: left;
  padding: 15px;
  margin-bottom: 24px;
  font-weight: 600;
}

.contact .php-email-form .sent-message {
  display: none;
  color: #ffffff;
  background: #059652;
  text-align: center;
  padding: 15px;
  margin-bottom: 24px;
  font-weight: 600;
}

.contact .php-email-form .loading {
  display: none;
  background: var(--color-background);
  text-align: center;
  padding: 15px;
  margin-bottom: 24px;
}

.contact .php-email-form .loading:before {
  content: "";
  display: inline-block;
  border-radius: 50%;
  width: 24px;
  height: 24px;
  margin: 0 10px -6px 0;
  border: 3px solid var(--color-primary);
  border-top-color: var(--color-background);
  animation: animate-loading 1s linear infinite;
}

.contact .php-email-form input[type=text],
.contact .php-email-form input[type=email],
.contact .php-email-form textarea {
  font-size: 14px;
  padding: 10px 15px;
```

```css
    box-shadow: none;
    border-radius: 0;
    color: var(--color-default);
    background-color: rgba(var(--color-background-rgb), 0.5);
    border-color: rgba(var(--color-default-rgb), 0.2);
}

.contact .php-email-form input[type=text]:focus,
.contact .php-email-form input[type=email]:focus,
.contact .php-email-form textarea:focus {
    border-color: var(--color-primary);
}

.contact .php-email-form input[type=text]::-moz-placeholder,
.contact .php-email-form input[type=email]::-moz-placeholder,
.contact .php-email-form textarea::-moz-placeholder {
    color: rgba(var(--color-default-rgb), 0.3);
}

.contact .php-email-form input[type=text]::placeholder,
.contact .php-email-form input[type=email]::placeholder,
.contact .php-email-form textarea::placeholder {
    color: rgba(var(--color-default-rgb), 0.3);
}

.contact .php-email-form button[type=submit] {
    background: var(--color-primary);
    color: var(--color-inverse);
    border: 0;
    padding: 10px 30px;
    transition: 0.4s;
    border-radius: 4px;
}

.contact .php-email-form button[type=submit]:hover {
    background: rgba(var(--color-primary-rgb), 0.8);
}

@keyframes animate-loading {
    0% {
        transform: rotate(0deg);
    }

    100% {
        transform: rotate(360deg);
    }
}
```

```css
/*--------------------------------------------------------------
# Portfolio Details Page
--------------------------------------------------------------*/
/* Portfolio-details Section - Portfolio Details Page
------------------------------*/
.portfolio-details .portfolio-details-slider img {
  width: 100%;
}

.portfolio-details .swiper-wrapper {
  height: auto;
}

.portfolio-details .swiper-button-prev,
.portfolio-details .swiper-button-next {
  width: 48px;
  height: 48px;
}

.portfolio-details .swiper-button-prev:after,
.portfolio-details .swiper-button-next:after {
  color: rgba(255, 255, 255, 0.8);
  background-color: rgba(0, 0, 0, 0.15);
  font-size: 24px;
  border-radius: 50%;
  width: 48px;
  height: 48px;
  display: flex;
  align-items: center;
  justify-content: center;
  transition: 0.3s;
}

.portfolio-details .swiper-button-prev:hover:after,
.portfolio-details .swiper-button-next:hover:after {
  background-color: rgba(0, 0, 0, 0.3);
}

@media (max-width: 575px) {

  .portfolio-details .swiper-button-prev,
  .portfolio-details .swiper-button-next {
    display: none;
  }
}

.portfolio-details .portfolio-info h3 {
  color: var(--color-secondary);
```

```css
    font-size: 22px;
    font-weight: 700;
    margin-bottom: 20px;
    padding-bottom: 20px;
    position: relative;
}

.portfolio-details .portfolio-info h3:after {
    content: "";
    position: absolute;
    display: block;
    width: 50px;
    height: 3px;
    background: var(--color-primary);
    left: 0;
    bottom: 0;
}

.portfolio-details .portfolio-info ul {
    list-style: none;
    padding: 0;
    font-size: 15px;
}

.portfolio-details .portfolio-info ul li {
    display: flex;
    flex-direction: column;
    padding-bottom: 15px;
}

.portfolio-details .portfolio-info ul strong {
    text-transform: uppercase;
    font-weight: 400;
    color: rgba(var(--color-default-rgb), 0.5);
    font-size: 14px;
}

.portfolio-details .portfolio-info .btn-visit {
    padding: 8px 40px;
    background: var(--color-primary);
    color: var(--color-inverse);
    border-radius: 50px;
    transition: 0.3s;
}

.portfolio-details .portfolio-info .btn-visit:hover {
    background: rgba(var(--color-primary-rgb), 0.8);
}
```

```css
.portfolio-details .portfolio-description h2 {
  color: var(--color-secondary);
  font-size: 26px;
  font-weight: 700;
  margin-bottom: 20px;
}

.portfolio-details .portfolio-description p {
  padding: 0;
}

.portfolio-details .portfolio-description .testimonial-item {
  padding: 30px 30px 0 30px;
  position: relative;
  background: var(--color-box-background);
  margin-bottom: 50px;
}

.portfolio-details .portfolio-description .testimonial-item .testimonial-img {
  width: 90px;
  border-radius: 50px;
  border: 6px solid var(--color-background);
  float: left;
  margin: 0 10px 0 0;
}

.portfolio-details .portfolio-description .testimonial-item h3 {
  font-size: 18px;
  font-weight: bold;
  margin: 15px 0 5px 0;
  padding-top: 20px;
}

.portfolio-details .portfolio-description .testimonial-item h4 {
  font-size: 14px;
  color: #6c757d;
  margin: 0;
}

.portfolio-details .portfolio-description .testimonial-item .quote-icon-left,
.portfolio-details .portfolio-description .testimonial-item .quote-icon-right
{
  color: rgba(var(--color-primary-rgb), 0.5);
  font-size: 26px;
  line-height: 0;
}
```

```css
.portfolio-details .portfolio-description .testimonial-item .quote-icon-left {
  display: inline-block;
  left: -5px;
  position: relative;
}

.portfolio-details .portfolio-description .testimonial-item .quote-icon-right
{
  display: inline-block;
  right: -5px;
  position: relative;
  top: 10px;
  transform: scale(-1, -1);
}

.portfolio-details .portfolio-description .testimonial-item p {
  font-style: italic;
  margin: 0 0 15px 0 0 0;
  padding: 0;
}

/*--------------------------------------------------------------
# Services Details Page
--------------------------------------------------------------*/
/* Service-details Section - Services Details Page
----------------------------*/
.service-details .service-box {
  padding: 20px;
  box-shadow: 0px 2px 20px rgba(var(--color-default-rgb), 0.12);
  background-color: var(--color-box-background);
}

.service-details .service-box+.service-box {
  margin-top: 30px;
}

.service-details .service-box h4 {
  color: var(--color-secondary);
  font-size: 20px;
  font-weight: 700;
  border-bottom: 2px solid rgba(var(--color-default-rgb), 0.08);
  padding-bottom: 15px;
  margin-bottom: 15px;
}

.service-details .services-list a {
  color: rgba(var(--color-default-rgb), 0.8);
  background-color: rgba(var(--color-default-rgb), 0.04);
```

```css
  display: flex;
  align-items: center;
  padding: 12px 15px;
  margin-top: 15px;
  transition: 0.3s;
}

.service-details .services-list a:first-child {
  margin-top: 0;
}

.service-details .services-list a i {
  font-size: 16px;
  margin-right: 8px;
  color: var(--color-primary);
}

.service-details .services-list a.active {
  color: var(--color-inverse);
  background-color: var(--color-primary);
}

.service-details .services-list a.active i {
  color: var(--color-inverse);
}

.service-details .services-list a:hover {
  background-color: rgba(var(--color-primary-rgb), 0.05);
  color: var(--color-primary);
}

.service-details .download-catalog a {
  color: var(--color-default);
  display: flex;
  align-items: center;
  padding: 10px 0;
  transition: 0.3s;
  border-top: 1px solid rgba(var(--color-default-rgb), 0.1);
}

.service-details .download-catalog a:first-child {
  border-top: 0;
  padding-top: 0;
}

.service-details .download-catalog a:last-child {
  padding-bottom: 0;
}
```

```css
.service-details .download-catalog a i {
  font-size: 24px;
  margin-right: 8px;
  color: var(--color-primary);
}

.service-details .download-catalog a:hover {
  color: var(--color-primary);
}

.service-details .help-box {
  background-color: var(--color-primary);
  color: var(--color-inverse);
  margin-top: 30px;
  padding: 30px 15px;
}

.service-details .help-box .help-icon {
  font-size: 48px;
}

.service-details .help-box a {
  color: var(--color-inverse);
}

.service-details .services-img {
  margin-bottom: 20px;
}

.service-details h3 {
  color: var(--color-secondary);
  font-size: 26px;
  font-weight: 700;
}

.service-details p {
  font-size: 15px;
}

.service-details ul {
  list-style: none;
  padding: 0;
  font-size: 15px;
}

.service-details ul li {
  padding: 5px 0;
```

```css
  display: flex;
  align-items: center;
}

.service-details ul i {
  font-size: 20px;
  margin-right: 8px;
  color: var(--color-primary);
}

/*--------------------------------------------------------------
# Blog Page
--------------------------------------------------------------*/
/* Blog Section - Blog Page
------------------------------*/
.blog .posts-list article {
  box-shadow: 0 4px 16px rgba(var(--color-default-rgb), 0.1);
  padding: 30px;
  height: 100%;
  border-radius: 10px;
  overflow: hidden;
}

.blog .posts-list .post-img {
  max-height: 240px;
  margin: -30px -30px 15px -30px;
  overflow: hidden;
}

.blog .posts-list .post-category {
  font-size: 16px;
  color: rgba(var(--color-default-rgb), 0.6);
  margin-bottom: 10px;
}

.blog .posts-list .title {
  font-size: 22px;
  font-weight: 700;
  padding: 0;
  margin: 0 0 20px 0;
}

.blog .posts-list .title a {
  color: var(--color-secondary);
  transition: 0.3s;
}

.blog .posts-list .title a:hover {
```

```css
  color: var(--color-primary);
}

.blog .posts-list .post-author-img {
  width: 50px;
  border-radius: 50%;
  margin-right: 15px;
}

.blog .posts-list .post-author {
  font-weight: 600;
  margin-bottom: 5px;
}

.blog .posts-list .post-date {
  font-size: 14px;
  color: rgba(var(--color-default-rgb), 0.6);
  margin-bottom: 0;
}

.blog .pagination {
  margin-top: 30px;
  color: rgba(var(--color-default-rgb), 0.6);
}

.blog .pagination ul {
  display: flex;
  padding: 0;
  margin: 0;
  list-style: none;
}

.blog .pagination li {
  margin: 0 5px;
  transition: 0.3s;
}

.blog .pagination li a {
  color: rgba(var(--color-default-rgb), 0.6);
  padding: 7px 16px;
  display: flex;
  align-items: center;
  justify-content: center;
}

.blog .pagination li.active,
.blog .pagination li:hover {
  background: var(--color-primary);
```

```css
    color: var(--color-inverse);
}

.blog .pagination li.active a,
.blog .pagination li:hover a {
    color: var(--color-inverse);
}

/*--------------------------------------------------------------
# Blog Details Page
--------------------------------------------------------------*/
/* Blog-details Section - Blog Details Page
------------------------------*/
.blog-details .article {
    background-color: var(--color-box-background);
    box-shadow: 0 4px 16px rgba(var(--color-default-rgb), 0.1);
    padding: 30px;
}

.blog-details .post-img {
    margin: -30px -30px 20px -30px;
    overflow: hidden;
}

.blog-details .title {
    color: var(--color-secondary);
    font-size: 28px;
    font-weight: 700;
    padding: 0;
    margin: 30px 0;
}

.blog-details .content {
    margin-top: 20px;
}

.blog-details .content h3 {
    font-size: 22px;
    margin-top: 30px;
    font-weight: bold;
}

.blog-details .content blockquote {
    overflow: hidden;
    background-color: rgba(var(--color-default-rgb), 0.05);
    padding: 60px;
    position: relative;
    text-align: center;
```

```css
  margin: 20px 0;
}

.blog-details .content blockquote p {
  color: var(--color-default);
  line-height: 1.6;
  margin-bottom: 0;
  font-style: italic;
  font-weight: 500;
  font-size: 22px;
}

.blog-details .content blockquote:after {
  content: "";
  position: absolute;
  left: 0;
  top: 0;
  bottom: 0;
  width: 3px;
  background-color: var(--color-primary);
  margin-top: 20px;
  margin-bottom: 20px;
}

.blog-details .meta-top {
  margin-top: 20px;
  color: rgba(var(--color-default-rgb), 0.6);
}

.blog-details .meta-top ul {
  display: flex;
  flex-wrap: wrap;
  list-style: none;
  align-items: center;
  padding: 0;
  margin: 0;
}

.blog-details .meta-top ul li+li {
  padding-left: 20px;
}

.blog-details .meta-top i {
  font-size: 16px;
  margin-right: 8px;
  line-height: 0;
  color: rgba(var(--color-default-rgb), 0.6);
}
```

```css
.blog-details .meta-top a {
  color: rgba(var(--color-default-rgb), 0.6);
  font-size: 14px;
  display: inline-block;
  line-height: 1;
}

.blog-details .meta-bottom {
  padding-top: 10px;
  border-top: 1px solid rgba(var(--color-default-rgb), 0.1);
}

.blog-details .meta-bottom i {
  color: rgba(var(--color-default-rgb), 0.6);
  display: inline;
}

.blog-details .meta-bottom a {
  color: rgba(var(--color-default-rgb), 0.6);
  transition: 0.3s;
}

.blog-details .meta-bottom a:hover {
  color: var(--color-primary);
}

.blog-details .meta-bottom .cats {
  list-style: none;
  display: inline;
  padding: 0 20px 0 0;
  font-size: 14px;
}

.blog-details .meta-bottom .cats li {
  display: inline-block;
}

.blog-details .meta-bottom .tags {
  list-style: none;
  display: inline;
  padding: 0;
  font-size: 14px;
}

.blog-details .meta-bottom .tags li {
  display: inline-block;
}
```

```css
.blog-details .meta-bottom .tags li+li::before {
  padding-right: 6px;
  color: var(--color-default);
  content: ",";
}

.blog-details .meta-bottom .share {
  font-size: 16px;
}

.blog-details .meta-bottom .share i {
  padding-left: 5px;
}

.blog-details .sidebar {
  background-color: var(--color-box-background);
  padding: 30px;
  box-shadow: 0 4px 16px rgba(var(--color-default-rgb), 0.1);
}

.blog-details .sidebar .sidebar-title {
  color: var(--color-secondary);
  font-size: 20px;
  font-weight: 700;
  padding: 0;
  margin: 0;
}

.blog-details .sidebar .sidebar-item+.sidebar-item {
  margin-top: 40px;
}

.blog-details .sidebar .search-form form {
  background: var(--color-background);
  border: 1px solid rgba(var(--color-default-rgb), 0.3);
  padding: 3px 10px;
  position: relative;
}

.blog-details .sidebar .search-form form input[type=text] {
  border: 0;
  padding: 4px;
  border-radius: 4px;
  width: calc(100% - 40px);
  background-color: var(--color-background);
  color: var(--color-default);
}
```

```css
.blog-details .sidebar .search-form form input[type=text]:focus {
  outline: none;
}

.blog-details .sidebar .search-form form button {
  background: var(--color-primary);
  color: var(--color-background);
  position: absolute;
  top: 0;
  right: 0;
  bottom: 0;
  border: 0;
  font-size: 16px;
  padding: 0 15px;
  margin: -1px;
  transition: 0.3s;
  border-radius: 0 4px 4px 0;
  line-height: 0;
}

.blog-details .sidebar .search-form form button i {
  line-height: 0;
}

.blog-details .sidebar .search-form form button:hover {
  background: rgba(var(--color-primary-rgb), 0.8);
}

.blog-details .sidebar .categories ul {
  list-style: none;
  padding: 0;
}

.blog-details .sidebar .categories ul li+li {
  padding-top: 10px;
}

.blog-details .sidebar .categories ul a {
  color: rgba(var(--color-default-rgb), 0.8);
  transition: 0.3s;
}

.blog-details .sidebar .categories ul a:hover {
  color: var(--color-primary);
}

.blog-details .sidebar .categories ul a span {
```

```css
  padding-left: 5px;
  color: rgba(var(--color-default-rgb), 0.5);
  font-size: 14px;
}

.blog-details .sidebar .recent-posts .post-item {
  display: flex;
  margin-top: 15px;
}

.blog-details .sidebar .recent-posts img {
  width: 80px;
  margin-right: 15px;
}

.blog-details .sidebar .recent-posts h4 {
  font-size: 15px;
  font-weight: bold;
  margin-bottom: 5px;
}

.blog-details .sidebar .recent-posts h4 a {
  color: var(--color-default);
  transition: 0.3s;
}

.blog-details .sidebar .recent-posts h4 a:hover {
  color: var(--color-primary);
}

.blog-details .sidebar .recent-posts time {
  display: block;
  font-style: italic;
  font-size: 14px;
  color: rgba(var(--color-default-rgb), 0.5);
}

.blog-details .sidebar .tags {
  margin-bottom: -10px;
}

.blog-details .sidebar .tags ul {
  list-style: none;
  padding: 0;
}

.blog-details .sidebar .tags ul li {
  display: inline-block;
```

```css
}

.blog-details .sidebar .tags ul a {
  color: rgba(var(--color-default-rgb), 0.7);
  font-size: 14px;
  padding: 6px 14px;
  margin: 0 6px 8px 0;
  border: 1px solid rgba(var(--color-default-rgb), 0.4);
  display: inline-block;
  transition: 0.3s;
}

.blog-details .sidebar .tags ul a:hover {
  color: var(--color-background);
  border: 1px solid var(--color-primary);
  background: var(--color-primary);
}

.blog-details .sidebar .tags ul a span {
  padding-left: 5px;
  color: rgba(var(--color-default-rgb), 0.4);
  font-size: 14px;
}

.blog-details .blog-author {
  padding: 20px;
  margin-top: 30px;
  box-shadow: 0 4px 16px rgba(var(--color-default-rgb), 0.1);
}

.blog-details .blog-author img {
  max-width: 120px;
  margin-right: 20px;
}

.blog-details .blog-author h4 {
  font-weight: 600;
  font-size: 20px;
  margin-bottom: 0px;
  padding: 0;
  color: rgba(var(--color-default-rgb), 0.8);
}

.blog-details .blog-author .social-links {
  margin: 0 10px 10px 0;
}


.blog-details .blog-author .social-links a {
```

```css
  color: rgba(var(--color-default-rgb), 0.4);
  margin-right: 5px;
}

.blog-details .blog-author p {
  font-style: italic;
  color: rgba(var(--color-default-rgb), 0.7);
  margin-bottom: 0;
}

.blog-details .comments {
  margin-top: 30px;
}

.blog-details .comments .comments-count {
  font-weight: bold;
}

.blog-details .comments .comment {
  margin-top: 30px;
  position: relative;
}

.blog-details .comments .comment .comment-img {
  margin-right: 14px;
}

.blog-details .comments .comment .comment-img img {
  width: 60px;
}

.blog-details .comments .comment h5 {
  font-size: 16px;
  margin-bottom: 2px;
}

.blog-details .comments .comment h5 a {
  font-weight: bold;
  color: var(--color-default);
  transition: 0.3s;
}

.blog-details .comments .comment h5 a:hover {
  color: var(--color-primary);
}

.blog-details .comments .comment h5 .reply {
  padding-left: 10px;
```

```css
    color: rgba(var(--color-default-rgb), 0.8);
}


.blog-details .comments .comment h5 .reply i {
    font-size: 20px;
}


.blog-details .comments .comment time {
    display: block;
    font-size: 14px;
    color: rgba(var(--color-default-rgb), 0.6);
    margin-bottom: 5px;
}


.blog-details .comments .comment.comment-reply {
    padding-left: 40px;
}


.blog-details .comments .reply-form {
    margin-top: 30px;
    padding: 30px;
    box-shadow: 0 4px 16px rgba(var(--color-default-rgb), 0.1);
}


.blog-details .comments .reply-form h4 {
    font-weight: bold;
    font-size: 22px;
}


.blog-details .comments .reply-form p {
    font-size: 14px;
}


.blog-details .comments .reply-form input {
    background-color: var(--color-background);
    color: var(--color-default);
    border: 1px solid rgba(var(--color-default-rgb), 0.3);
    font-size: 14px;
    border-radius: 4px;
    padding: 10px 10px;
}


.blog-details .comments .reply-form input:focus {
    box-shadow: none;
    border-color: var(--color-primary);
}


.blog-details .comments .reply-form textarea {
```

```css
  background-color: var(--color-background);
  color: var(--color-default);
  border: 1px solid rgba(var(--color-default-rgb), 0.3);
  border-radius: 4px;
  padding: 10px 10px;
  font-size: 14px;
  height: 120px;
}

.blog-details .comments .reply-form textarea:focus {
  box-shadow: none;
  border-color: var(--color-primary);
}

.blog-details .comments .reply-form .form-group {
  margin-bottom: 25px;
}

.blog-details .comments .reply-form .btn-primary {
  border-radius: 4px;
  padding: 10px 20px;
  border: 0;
  background-color: var(--color-primary);
  color: var(--color-inverse);
}

.blog-details .comments .reply-form .btn-primary:hover {
  color: var(--color-inverse);
  background-color: rgba(var(--color-primary-rgb), 0.8);
}
```