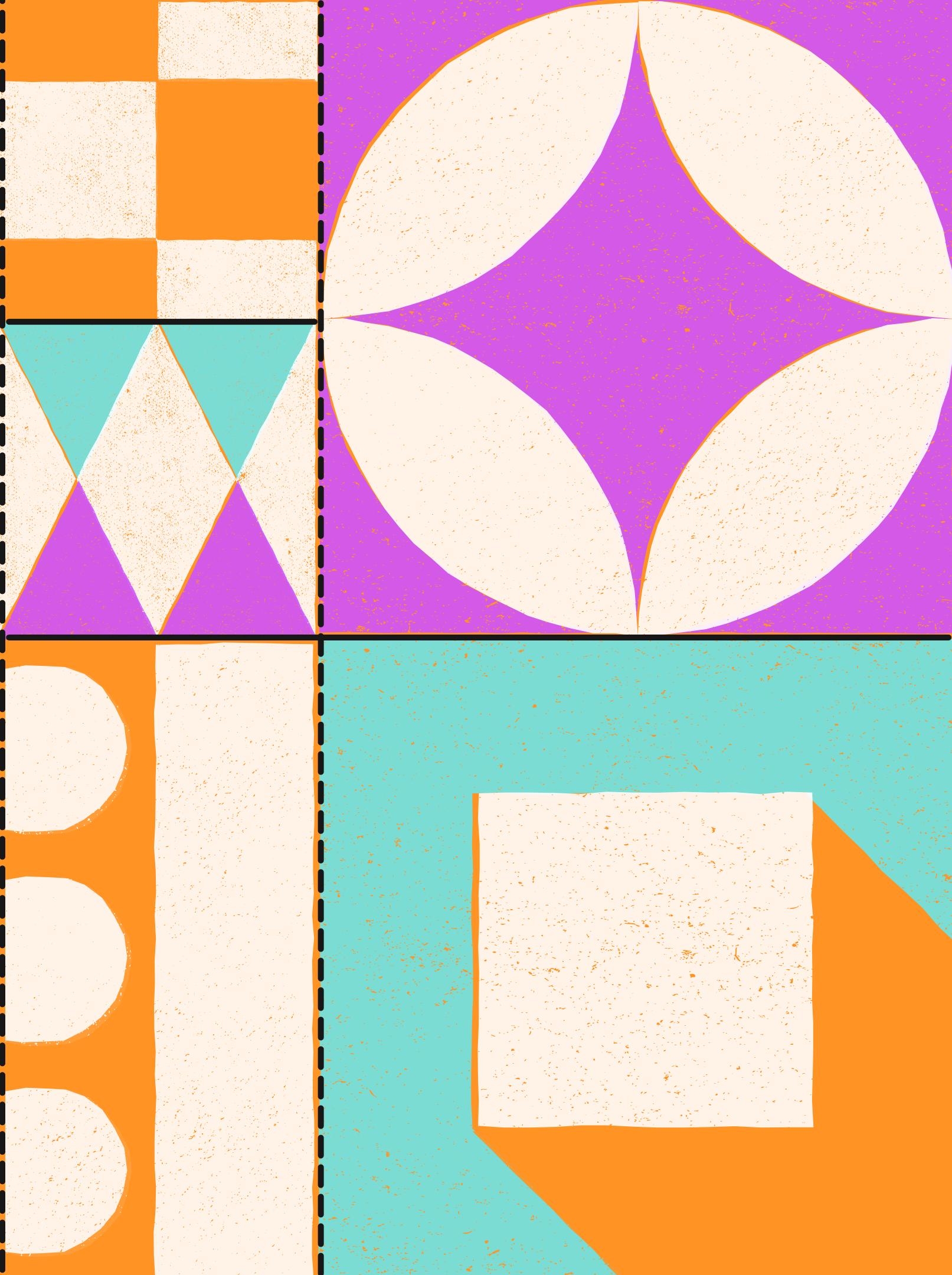


Anna University

Web-Page Development

Submitted by S.Gautham

Internship Presentation



Introduction to Alten Calsoft

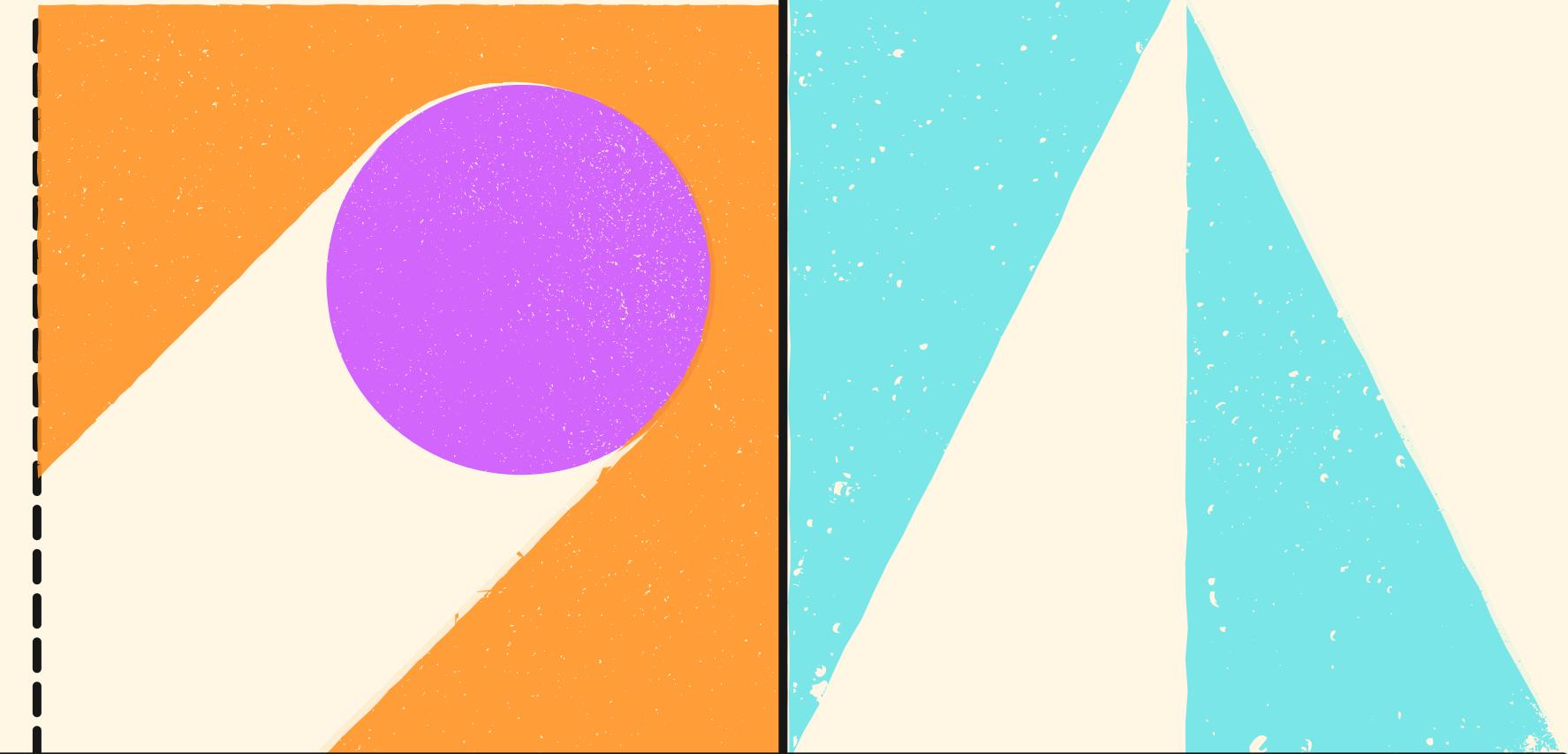
Headquartered in Silicon Valley, ACL Digital is a leader in design-led digital experience, innovation, enterprise modernization, and product engineering services converging to Technology, Media & Telecom.

By integrating our strategic design, engineering, and industry capabilities, we help our clients decode the digital world and accelerate their growth journey.



Problem

With digital presence becoming a necessity for brands to expand and gain exposure among potential customers, the web development industry is taking off rapidly, and so is the demand for interactive and appealing web pages.



This project aims to make a pixel perfect design and make a multi-page responsive layout. My tasks included retrieving data from the database, design a product landing page that has the ability to target customers more than any other aspect through its visuals with a wide range of functionalities.

Objectives

The First Objective

To learn about the various stages of developing a production-ready application and testing it.

The Second Objective

To gain knowledge in the intricacies and best practices related to web page development.

The Third Objective

To familiarize myself with the office landscape, learn how to work under pressure and consistently provide good performance.

Theoretical Framework

S.M.A.R.T.E.R

1. S- Specific, so you can work on how you can achieve it.
2. M- Measurable, which is the only way to track the progress.
3. A- Attainable, it should be achievable and realistic.

4. R- Relevant which should match the priorities of your business.
5. T- Timely which should be achievable within a specific timeframe.
6. E- Evaluated to see if you are getting closer to the purpose
7. R- Reviewed at any time to see any lapses on the website.

Implementation

Phase 1

Understanding the product and deducing the services necessary.

Phase 2

Getting equipped with the skill and knowledge to start designing the framework.

Phase 3

Implementing the ideas and delivering the product.

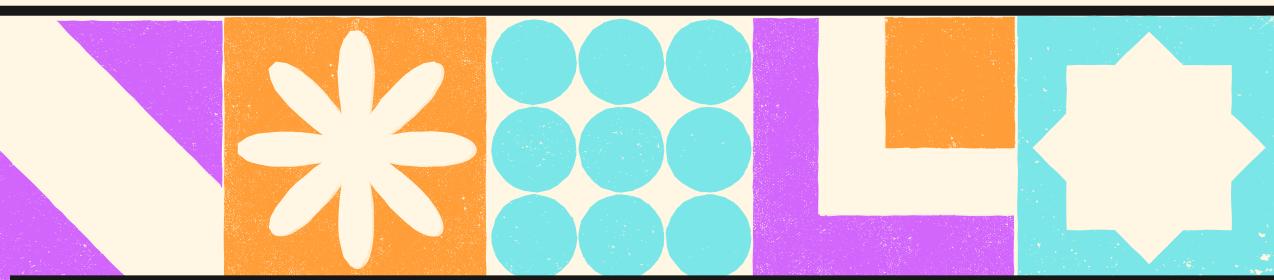
Implementation

Technologies/Languages Used during Internship:

- PHP
- MySQL
- HTML
- CSS
- Bootstrap



Breakdown



Principle Product Page

Networks to other services or works.

Sub Pages

Specialised description of the service + a means to network.

Recruitment portal

It's excellent for capturing new talent.

Main Product Landing Page

Advertises the product's idea , vision , description and sub offerings .

Coupled with links to other sub pages.



5G Networks

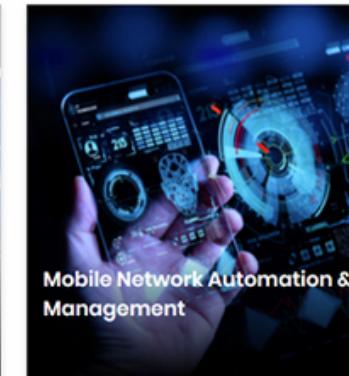
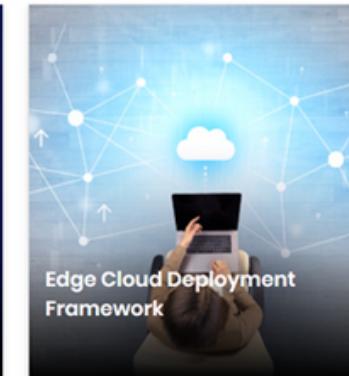
5G is expected to offer innovative solution to its consumers due to its ability to offer higher data rates at ultra low latencies. This next-generation mobile network infrastructure designed to be fully programmable and interoperable to provide innovative applications that need to be tailored to provide unique services.

ACL Digital uses open development techniques and programming tools to deliver end-to-end 5G portfolio (Mobile Core Network Re-architecture, End-to-End Orchestration, Edge Cloud Deployment, etc) to the networks of the future.



Offerings

5G technology innovations and capabilities changing the way the world connects and communicates. ACL Digital offers Mobile Core Network Re-architecture, End-to-End Orchestration, Edge Cloud Deployment, etc to the networks of the future.



Featured Work

[VIEW ALL](#)



Semiconductor
5G Radio ASICs



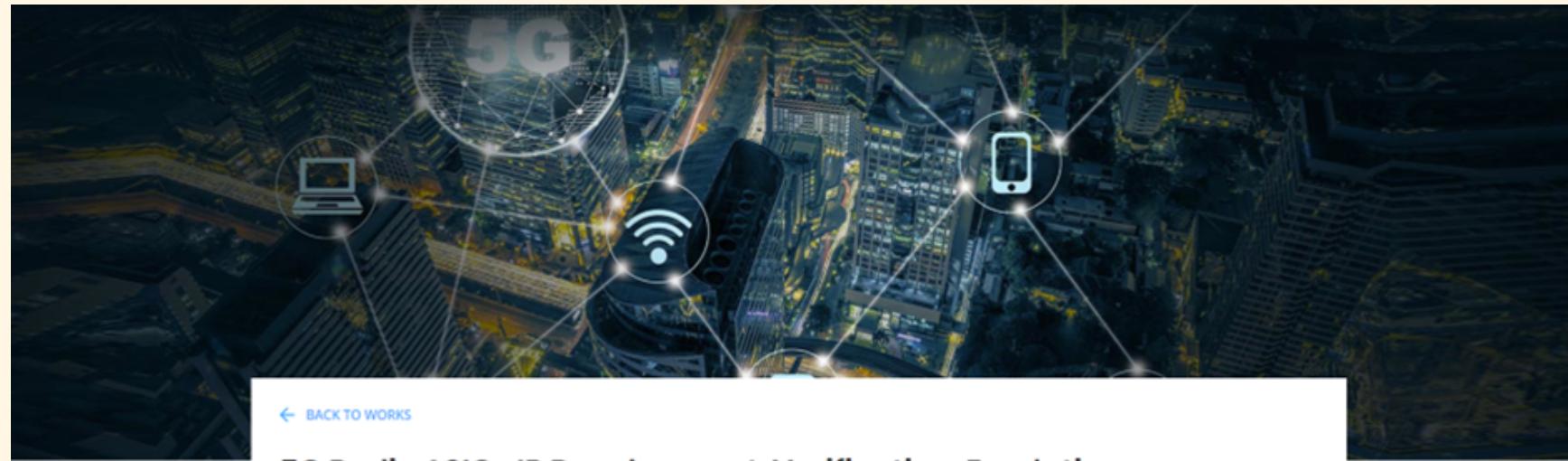
5G
Data Path Enhancement and
Validation



5G
Deployment and Orchestration of
vEPG for 5G Network

Subpage 1

Detailed description of the services offered.



5G Radio ASICs IP Development, Verification, Emulation and Top Level Verification of Complex ASICs

Industry
Semiconductor , Telecom Service

Services
5G

Overview

The Client is a leading multinational networking equipment manufacturer involved in design & development of 5G Radio ASICs. Our Semiconductor practice team contributed in the development of multiple components of 5G Radio ASICs. This includes IP Development(Ethernet, CPRI, RFIC Control & Digital Interfaces), Radio IO Control systems, 5G SoC ASIC Frontend, RF ASIC Integration and Emulation of Radio Baseband.



Value Delivered

- Formation of a highly competent team with a broad expertise in 5G ASIC design, verification, SOC emulation and Top-level Verification
- Faster product realization with lower R&D expenditure
- Realization of a complex 5G Radio ASIC on time with better quality and performance



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Subpages



ACL Digital
an Altimetrik company

[BACK TO WORKS](#)

Enhanced Workflow of a Public Company for Life Science, Healthcare with BI

Industry: Life sciences Services: Data & Intelligence, AI, Analytics & Big Data

Overview

The customer maintains product warehouses at approximately 500-600 sites globally (R&D, manufacturing and clinical sites). The sites range in capacity from ~20 scientists at small sites to ~1,000 scientists at the larger sites.

The customer supports the scientific and clinical research as well as manufacturing processes, therefore critical to be in stock so as not to hold up the critical research and supply chain.



Challenges

-  Customer products support the scientific and clinical research as well as manufacturing processes, therefore critical to be in stock to not hold up the critical research and supply chain
-  Currently customer stocks the warehouse by visiting multiple times in a day. The entire process is cumbersome and inefficient
-  The cost is heavy by managing inventory without any futuristic predictions of daily consumptions

Outcome

- Able to predict greater than 70% accuracy for 15% of products for daily transactions
- Identify Fast, Medium and Slow-Moving products
- Able to provide insights of products by Site, Point of Use



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Talk To Our Experts

Name * _____ Phone Number * _____
Company Name * _____ Work Email * _____
Message * _____

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ACL Digital
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Data & Intelligence Solution for One of the Largest Growing Telco in India

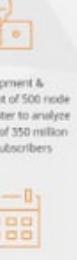
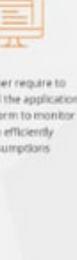
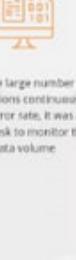
Industry: Telecom Service Services: Data & Intelligence, Data Platform Engineering

Overview

The client is one of the largest growing Telco in India who required a better view of 350+ applications performance through visualization and to monitor them efficiently.



Challenges

-  Development & management of 500 node Hadoop cluster to analyze usage data of 350 million mobile subscribers
-  Customer require to onboard all the applications in a platform to monitor them efficiently
-  With the large number of applications continuously rising error rate, it was an uphill task to monitor the data volume

350+ applications to be managed

Outcome

- Easy cluster provisioning
- Simplified insights into health of Hadoop core
- Better view of performance through visualization and analysis
- RESTful API allows integration with other operational tools
- User friendly interface
- Better Monitoring of application from integrated applications



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Subpages

The subpage features a header with the ACL Digital logo and a blue navigation bar. Below the header, the title 'Developed AI PLATFORM for Patient Diagnosis & Enhanced Care Delivery' is displayed. The page includes sections for 'Overview', 'Challenges', and 'Outcome'. It ends with a 'DOWNLOAD' button and a 'Talk To Our Experts' form.

Developed AI PLATFORM for Patient Diagnosis & Enhanced Care Delivery

Industry: Healthcare Services: Data & Intelligence

Overview

Develop a Healthcare Radiology Assistant System using Machine Learning models to extract insights by processing EHR/EMR and medical history. Development of AI Platform for Patient Diagnosis using Machine Learning models operating on EHR/EMR and other data sources

Challenges

Develop a Healthcare Radiology Assistant System by using ML models for extracting insights by processing EHR/EMR and medical history

Outcome

- Developed a Healthcare Radiology Assistant System by using ML models for extracting insights by processing EHR/EMR and medical history
- It reduced time for diagnosis and provided much need information about patient to healthcare staff on fingertip
- Generated alerts base on diagnosis and OEE Recommendations

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Company Name * _____ Work Email * _____
Message * _____

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The subpage features a header with the ACL Digital logo and a blue navigation bar. Below the header, the title 'Enterprise Intelligence Solution Implementation for a Global Professional Service Provider' is displayed. The page includes sections for 'Overview', 'Challenges', and 'Outcome'. It ends with a 'DOWNLOAD' button and a 'Talk To Our Experts' form.

Enterprise Intelligence Solution Implementation for a Global Professional Service Provider

Industry: Professional Services Services: Data & Intelligence , Professional Services

Overview

Customer is one of the largest professional services firms in the world. It primarily provides Audit, Tax, Consulting and Advisory services to its clients.

Challenges

Partners in the business were struggling with global finance and corporate IT to deliver on a need to overhaul data, reporting and process requirements for the finance team. After being over budget and behind for more than 12 months, ACL was asked to accelerate the initiative

Outcome

- After an approximate 60 days of rapid prototyping, ACL created a data warehousing solution that ultimately scaled to support the global finance team, dramatically reducing the time required to produce accurate financial reporting

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Name * _____ Phone Number * _____
Company Name * _____ Work Email * _____
Message * _____

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Form collection

Offers a medium for customers to connect to the company.

Talk To Our Experts

Name *

Phone Number *

Company Name *

Work Email *

Message *

I confirm, I have read and agreed to Privacy Policy and consent to sharing my information. For more information, please review our [Cookies Policy](#) and [Privacy Statement](#).

RESET **SUBMIT**

Browse All Jobs 1-3 of 3 jobs

Search[About us](#)**New**

PD Engineer

📍 Karnataka Bengaluru

Experience 2 - 15 Years

▶ Posted On Sep 5 2022 4:16PM

[Apply](#)[More Details](#)**New**

Power BI Lead

📍 Karnataka Bengaluru

▶ Posted On Jul 21 2022 4:15PM

New

Power BI Lead

📍 Karnataka Bengaluru

Experience 6 - 8 Years

▶ Posted On Jul 21 2022 4:15PM

[Apply](#)[More Details](#)**New**

Associate Lead – Microsoft Technologies

📍 Karnataka Bengaluru

Experience 9 - 12 Years

▶ Posted On Jul 21 2022 4:09PM

[Apply](#)[More Details](#)

Career Search Page

Lists out various job vacancies fetched from the DB.

Methodology



Dynamic Webpage

```
<?php  
$mysqli = new mysqli("localhost","my_user","my_password","my_db");  
  
// Check connection  
if ($mysqli -> connect_errno) {  
    echo "Failed to connect to MySQL: " . $mysqli -> connect_error;  
    exit();  
}  
?>
```

Retrieving data direct from DB

```
if($res == false) echo $con ->error ;  
while(mysqli_num_rows($res) > 0 && $row = mysqli_fetch_array($res)){ ?>  
<div class="single">  
    <div class="container">  
  
        <div class="cont span_2_of_3">  
            <div class="labout span_1_of_a1">  
                <!-- start product_slider -->  
                <ul id="etalage">  
                    <li>  
                        <a href="optionallink.html">  
                            <img class="etalage_thumb_image" src = <?php echo $row['image1'] ; ?> />  
                            <img class="etalage_source_image" src = <?php echo $row['image1'] ; ?> />  
                        </a>  
                    </li>  
                </ul>  
            </div>  
        </div>  
    </div>  
</div>
```

PD Engineer

📍 Location Karnataka Bengaluru
📅 Experience Range 2 - 15 Years

Open

Job Description

As a Physical Design Engineer, you will work with microarchitecture, RTL design, CAD, block level and top level physical design teams to run, analyze timing and drive timing closure.

[APPLY WITHOUT REGISTRATION](#)

[LOGIN AND APPLY](#)

Share with your connect



Responsibilities:

- Responsible for high performance microprocessor blocks RTL to GDSII implementation
- Perform block level synthesis, floor planning, placement and routing.
- Close the design to meet timing, power budget and area.
- Implement ECO's to address functional bugs and timing violations.
- Team player, with good problem solving and communication skills.
- Good knowledge and hands on experience in physical design methodology which include logic synthesis, placement, clock tree synthesis, routing.
- Should be knowledgeable in physical verification (LVS,DRC.. etc),Noise analysis, Power analysis and electro migration .
- Good knowledge and hands on experience in static timing analysis (closing timing at chip level) , good understanding of timing constraints .

Desired Skills:

- PD, Floor Planning, CTS.
- LVS, DRC.

Associate Lead – Microsoft Technologies

📍 Location Karnataka Bengaluru

📅 Experience Range 9 - 12 Years

🎓 Qualification BE,Btech,MCA (Computers)

Open

Job Description

We are looking to hire an Associate Lead who will oversee all activities within the team and has a hands-on development experience in .Net and other Microsoft technologies.

The role includes all technical challenges associated with analysing, defining and documenting specification requirements, designing & developing .Net applications to meet needs for better business process management and solutions that are aligned with the business needs.

Responsibilities

- Lead and manage a team of .NET developers of varied experience levels and guide them through technical issues and challenges.
- All people management responsibilities of the role as defined above.
- Work assignment, distribution, task estimation, goal planning and conducting performance reviews as per company policy.
- Empowering team members with skills to improve their confidence, product knowledge, and communication skills.
- Analyse, debug/troubleshoot and resolve technical issues.
- Participate in the planning/analysis of business requirements for system changes and enhancements.
- Create testing and implementations plans, including user training, UAT and documentation.
- Active participation through all phases of the development lifecycle.
- Active participation in hiring and training
- Keep up to date with emerging applications, technologies, and standards in the field

Desired skills

- C#
- Entity Framework
- Restful API
- Angular 7 or above
- SQL/T-SQL/Stored Procedures
- JavaScript/ECMAScript 6+
- jQuery
- HTML5
- CSS3
- AWS
- .NET Core
- ASP.NET MVC and Web API frameworks

APPLY WITHOUT REGISTRATION

LOGIN AND APPLY

Share with your connect



Connection Establishment queries:

```
$con = mysqli_connect("localhost" , "root" , "" , "revauc") ;
if(mysqli_connect_errno()){
    echo "Failed to connect to MySQL : ".mysqli_error() ;
    die() ;
}
session_start() ;
if($_SERVER['REQUEST_METHOD'] == 'POST'){
    if(isset($_POST['login']) && $_POST['login'] == 'customerLogin'){
        //here complete validation for the customer login is done
        //if the details are okay then some session variables are created
        $mail = $_POST['mail'] ;
        $password = $_POST['pass'] ;
        $query = "SELECT * FROM customer WHERE email = '$mail'" ; //fetching the details of the user
        $res = mysqli_query($con , $query) ;
        $error_flag = 1 ;
        if(mysqli_num_rows($res) == 0){
            //the entered email ID doesn't exist in the Database
            echo "<script> alert('Entered email does not exist');</script>" ;
            $error_flag = 0 ;
        }
    }
}
```

Row wise fetch of data:

```
<?php
if($res == false) echo $con ->error ;
while(mysqli_num_rows($res) > 0 && $row = mysqli_fetch_array($res)){ ?>
<div class="single">
<div class="container">

<div class="cont span_2_of_3">
<div class="labout span_1_of_a1">
<!-- start product_slider --&gt;
&lt;ul id="etalage"&gt;
&lt;li&gt;
&lt;a href="optionallink.html"&gt;
&lt;img class="etalage_thumb_image" src = &lt;?php echo $row['image1'] ; ?&gt; /&gt;
&lt;img class="etalage_source_image" src = &lt;?php echo $row['image1'] ; ?&gt; /&gt;
&lt;/a&gt;
&lt;/li&gt;
&lt;li&gt;
&lt;img class="etalage_thumb_image" src = &lt;?php echo $row['image2'] ; ?&gt; /&gt;
&lt;img class="etalage_source_image" src = &lt;?php echo $row['image2'] ; ?&gt; /&gt;
&lt;/li&gt;
&lt;li&gt;
&lt;img class="etalage_thumb_image" src = &lt;?php echo $row['image3'] ; ?&gt; /&gt;
&lt;img class="etalage_source_image" src = &lt;?php echo $row['image3'] ; ?&gt; /&gt;
&lt;/li&gt;
&lt;li&gt;
&lt;img class="etalage_thumb_image" src = &lt;?php echo $row['image4'] ; ?&gt; /&gt;
&lt;img class="etalage_source_image" src = &lt;?php echo $row['image4'] ; ?&gt; /&gt;</pre>
```

Database:

phpMyAdmin

Server: 127.0.0.1 > Database: revauc

Structure SQL Search Query Export Import Operations Privileges Routines Events More

Recent Favorites

Filters

Containing the word:

Table	Action	Rows	Type	Collation	Size	Overhead
company	Browse Structure Search Insert Empty Drop	8	InnoDB	utf8mb4_general_ci	16.0 KiB	-
customer	Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_general_ci	48.0 KiB	-
jobs	Browse Structure Search Insert Empty Drop	3	InnoDB	utf8mb4_general_ci	48.0 KiB	-
product	Browse Structure Search Insert Empty Drop	30	InnoDB	utf8mb4_general_ci	80.0 KiB	-
4 tables Sum		44	InnoDB	utf8mb4_general_ci	192.0 KiB	0 B

New

information_schema

mysql

performance_schema

phpmyadmin

proctoring

revauc

New

company

customer

jobs

product

test

Check all With selected:

Print Data dictionary

Create new table

Table name: Number of columns: 4 Create

Console

phpMyAdmin

Server: 127.0.0.1 » Database: revauc » Table: product

Browse Structure SQL Search Insert Export Import Privileges Operations Triggers

New information_schema mysql performance_schema phpmyadmin proctoring revauc New company customer jobs product test

Refresh Filter rows: Search this table Sort by key: None

category	brand	model	ram	storage	processor	os	colour	dimension	image1	image2	image3	image4	image5	de
Mobile	Generic	F320	512MB	4GB	Generic	iOS7	Black	10 x 4 x 4 cm-210 Grams	m01_1.jpg	m01_2.jpg	m01_3.jpg	m01_4.jpg	m01_5.jpg	For Sale
Mobile	Kechaoda	K115	512MB	4GB	Generic	Symbian 9.1	Silver	9.5 x 4 x 0.9 cm; 100 Grams	m02_1.jpg	m02_2.jpg	m02_3.jpg	m02_4.jpg	m02_5.jpg	Display 80%

Console Wi-Fi

Results

4 out 5

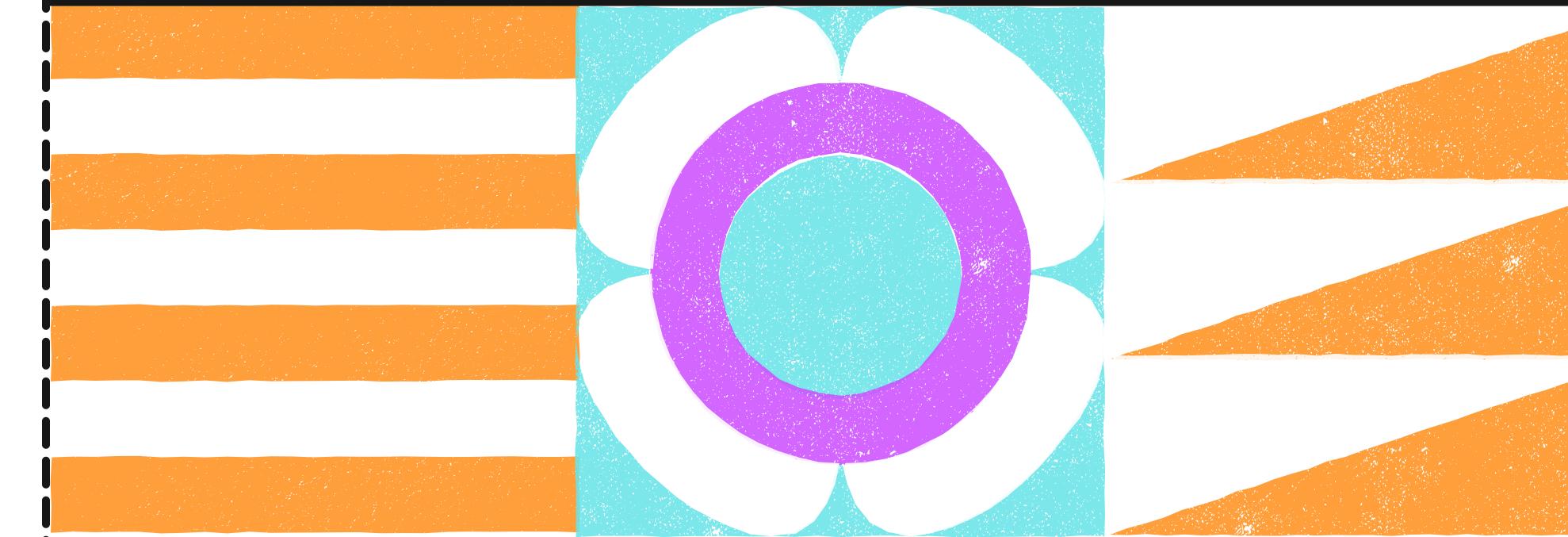
Prefer the new style and think the added functionalities would boost marketing and reach

Dynamic Carousel Webpages with newsletters and communication forums.

95%

Dynamic job postings and removal would be less hassle.

Job postings forum was outdated and not updated frequently with redundant information which is fixed using a dynamic database implementation.



Internship Outcomes

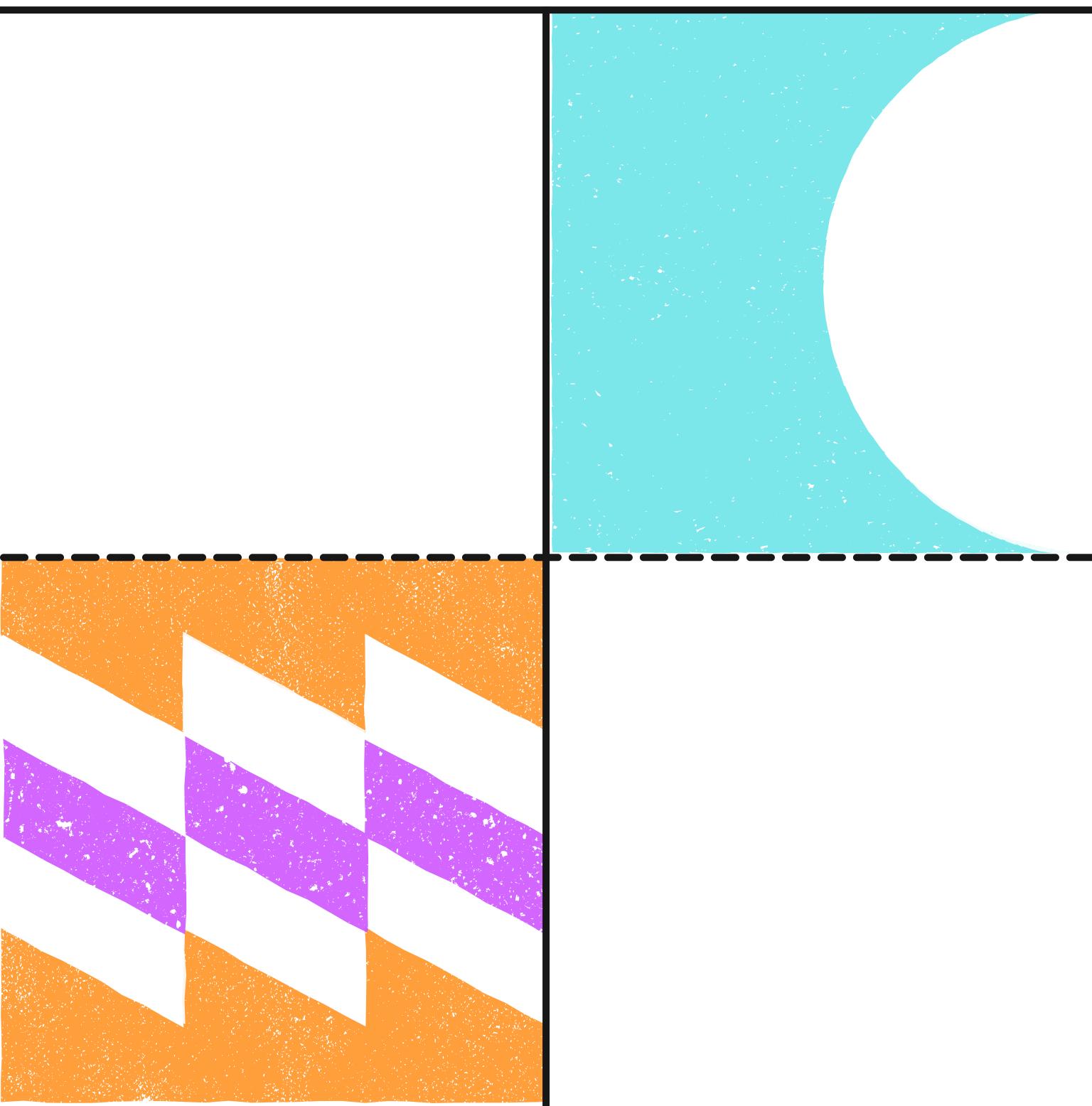
- 1. Learnt the basics of developing a market-ready web page from scratch.**
- 2. Familiarized with the functioning of the corporate world including maintaining deadlines and reporting to the project heads.**
- 3. Understood the various stages involved in developing an application from planning, coordinating, building to deployment.**

Conclusion



In summary, this internship was an extremely useful and enjoyable learning experience. I achieved all of my learning goals and more. I got an insight into professional web development and it has helped me become aware of my strengths and weaknesses. It gave me a chance to practice what I had been taught in college to solve a real time issue under the pressure of a strict deadline. It enabled me to find more confidence in myself as a programmer. I experienced that professional life comes with many more problems and consequences. I also learned how to develop the right mindset and attitude to tackle those problems.

References

- 
- 01 <https://developer.mozilla.org/en-US/docs/Learn/HTML>
 - 02 <https://www.javatpoint.com/xampp>
 - 03 <https://www.javatpoint.com/creating-mysql-database-with-xampp>
 - 04 <https://getbootstrap.com/docs/5.2/getting-started/introduction/>
 - 05 <https://www.w3schools.com/php/>

Thank You

End of presentation.

