



SHORT-TERM INTERNSHIP



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Acknowledgements

This Power BI presentation on topic "Analyzing israel - Palestinian Conflict discourse on Twitter" main objective of this climate change and natural disasters (such as floods, storms, droughts, wildlife, etc.) to identify trends, impacts, and potential areas for intervention. The analysis might include temperature trends, carbon emissions, disaster frequency, affected areas, human and economic impact, and more. We think for creating a powerful and intuitive platform for data visualization and investment growth, which informed our predictive model. We thank for the providing of data related to investments used in this project. We thank our team members for their contributions to data analysis and visualization and insights.

We acknowledge organization for providing the resources and support necessary to complete this Power BI presentation. We acknowledge advisors of peers who contributed to this project. Finally, we thank our team members for their hard work and dedication to this project.

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CHAPTER-1: EXECUTIVE SUMMARY

Description of the sector of business and intern organization:- smart bridge operates in the data analysis sector, providing innovative solution to enhance the business intelligence. - the organization lives ages, power BI to empower clients with action-able insights, enabling data-driven decision making

Learning objectives and outcomes:-

- Data cleaning
- Data pre processing and manipulation
- Statistical analysis

Summary of Internship Activities:-

- Attending live training sessions and project-mentor-ing sessions.
- selection of topic - "student performance Analysis" and gathering, cleaning and analysing its related dataset in excel.
- Team formation and assignment of tasks to team-members
- Designing and developing dashboard and report
- Drafting project video demonstration and Preparation of final reports

CHAPTER 2: OVERVIEW OF THE ORGANIZATION

Smart Bridge is a platform that offers virtual internship to the students. The platform's goal is to prepare students for the job market by establishing a cooperative relationship b/w industry and academia. Smart Bridge partners with companies such as Google to offer virtual internships. The internships provide students with hand-on experience with the latest technologies, and enable project based learning. Smart Bridge's flagship event is the summer internship program. The program develops student skills in emerging technologies i.e.,

- Artificial Intelligence
- Machine Learning
- Internet of things

organization objective: Smart Bridge's main objective is to bridge the existing gaps b/w providing industry standards and what the academics offer to the graduates which passing out of university. Smart Bridge's offers suitable skill development and training to the young talent before on boarding their first job.

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Their skills development programs are designed considering the present in demand skills in the industries. we thereby work along the line to offer best programs that help the students to gain practical knowledge and hands on training to learn skills of the future. Therefore, the main objectives of smart bridge is providing Internship for every student, promote Industry approved professional electives, and becomes a talent factory of India by 2026

CHAPTER 3: INTERNSHIP PART

Description of activities/ responsibilities undertaken

- Registering with APSHE smart interns and enrolling for "smartbridges" data-analytics course i.e., live training sessions as per the pre-scheduled training calendar
- Participating weekly quiz and completing weekly assignments with respect to data analytics.
- Team formation and selection of project topic
"Analyzing climate change discourse on Twitter using power BI"
- Gathering, cleaning and analyzing the excel data sets of the project
- Attending project-mentoring sessions and designs and developing interactive dashboard story, Report
- web integration of above project deliverables with team's web pages using visual studio code, creating a project video demonstration and preparation of final report
- submission of team project via uploading the project file in Github repository of the team.

CHAPTER 4: OUTCOMES DESCRIPTION

Describe the work environment you have experienced (in terms of people interactions, facilities available and maintenance, clarity of job roles, protocols, procedures, processes, discipline, time management, harmonious relationships, socialization, mutual support and teamwork, motivation, space and ventilation, etc.)

I don't have personal experiences but I can describe the work environment that people typically encounter. Many workplaces vary widely, from open-plan offices designed to encourage collaboration, to quiet, individual workplaces ideal for focused tasks.

Some environments are dynamic and fast-paced while others are more structured and predictable. Factors like company culture, team dynamics, and physical space all contribute to the overall work atmosphere.

ISRAEL-PALESTINE CONFLICT (2000-2023)

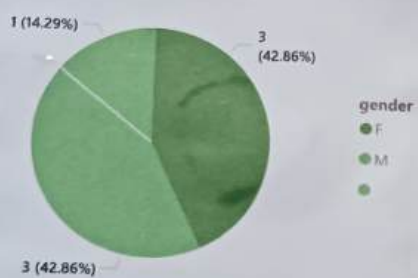
people by age



age by gender



killed_by by gender



event_location



ACTIVITY LOG FOR THE FIRST V/EEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Monday Day - 1 3-7-24	Introduction of data Analytics	Analysis of the topic	
Tuesday Day - 2 4-7-24	Agenda and understanding. Customers	Clear view of business problem and solution	
Wednesday Day - 3 5-7-24	Analysing and implementing data	Putting the data in visual form	
Thursday Day - 4 6-7-24	Data Analytics tools and technologies	Learned about different tools and insights	
Friday Day - 5 7-7-24	data Analytics Applications	where it is used in different sectors	
Saturday Day - 6 8-7-24	Researched the additional information online	Additional information about DA	

WEEKLY REPORT

WEEK - 1 (From Dt. 3-7-24 to Dt. 5-7-24)

Objective of the Activity Done:

What is data Analytics?

Detailed Report:

The process involved in data Analytics in the first learned about the definition, Agenda and steps to understand about data Analytics. Also discussed about the problem and solutions to. Analyse the data and analysed the data based on steps as:

- Comparing the data
- Putting the data in visual
- Breaking the data

also understand the concept of tools in data Analytics, which helps to store the data in efficient and secure manner

- SQL (Structured Query Language)
- NO SQL

DA technologies like

- data management data visualization
- Predictive model

we also learned about where this data Analytics is used or applied in various industries like finance, retail, banking, Agriculture and Companies like where DA for growth.

ACTIVITY LOG FOR THE SECOND WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Monday Day - 1 8-7-24	Data Analytics process and steps in DA	learned about data cleaning and processing	
Tuesday Day - 2 9-7-24	Types of data Analytics	different types in DA in clear way	
wednesday Day - 3 10-7-24	business problems and the solution (practise)	Challenges faced in organization	
Thursday Day - 4 18-7-24	Power-BI in Action	visible insights & Sales	
Friday Day - 5 12-7-24	BI Architecture	learned about structure	
Saturday Day - 6 20-7-24	Revision on given topics	Revised about DA.	

WEEKLY REPORT

WEEK - 2 (From Dt. 8-7-24 to Dt. 12-7-24)

Objective of the Activity Done: Data Analytics process and structure in the second week learned about the different process that is required in data analytics data cleaning and processing the data in a detailed manner and also the data type of DA into 4 categories like

Detailed Report:

- Descriptive Analytics
- Diagnostic Analytics
- Predictive Analytics
- Prescriptive Analytics

Also learned about the challenges faced in the organization with the solution with power BI in action which gives visible insights and sales force forecasting also about the Architecture of the BI, which tells us about the structure of the data Analytics. mainly teaches also DWH that is data ware housing and data bases

- collect - integrate - store - Analyse
- Distribute and react with ETL tools

ACTIVITY LOG FOR THE THIRD WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Monday Day - 1 15-7-24	Data to insight flow in Power BI	Learned about data and model view	
Tuesday Day - 2 16-7-24	Tables and merges	Learned about the kinds in merge	
Wednesday Day - 3 18-7-24	ETL tools in Power Query	Utilize Power BI data flows	
Thursday Day - 4 19-7-24	Data sources dashboard and insight	Learned how there are	
Friday Day - 5 20-7-24	Data collecting and data cleaning	Learned about structure	
Saturday Day - 6	Researched the additional information online	Revised about DA	

WEEKLY REPORT

WEEK - 3 (From Dt. 15/7/24 to Dt. 19/7/24.)

Objective of the Activity Done: Data Visualization Techniques

Detailed Report: In the third week, the emphasis was on data visualization techniques using power BI.

We explored various types of charts, graphs and maps that can be created in power BI to visualize data insights.

The sessions include best practices for selecting the right visualization based on the type of data and the message we want to convey. We also learned about customizing visual elements, using themes, and enhancing reports with interactive features like slicers and drill-throughs.

ACTIVITY LOG FOR THE FORTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Monday Day - 1 22-7-24	Data to insight flow in Power BI	learned about data and model view	
Tuesday Day - 2 23/7/24	tables and merges	learned about the kinds in merges	
wednesday Day - 3 24/7/24	tables and merges	Learned about the kinds in merge	
Thursday Day - 4 25/7/24	CTL tool in Power Query	while power BI data flows	
Friday Day - 5 26/7/24	CTL tools in Power Query	while power BI data flows	
Saturday Day - 6	researched the additional information online	additional information about BI	

WEEKLY REPORT

WEEK - 4 (From Dt. 22/7/24 to Dt. 26/7/24)

Objective of the Activity Done: Advanced Analytics and DAX

Detailed Report: week four delved into advanced analytics and data analysis expression (DAX) in Power BI. We learned how to create calculated columns, measures, and custom tables using DAX. The training covered complex DAX functions such as time intelligence, filtering, and aggregation. We also explored advanced analytical techniques like trend analysis, forecasting, and what-if scenarios.

The week ended with exercises to build dynamic reports using DAX-driven insights.

ACTIVITY LOG FOR THE FIFTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Monday Day - 1 29/7/24	Data Sources dash boards and insights	Learned how these are used in BI	
Tuesday Day - 2 30/7/24	data Collection and data cleaning	Learned about the process in DA	
Wednesday Day - 3 31/7/24	data cleaning	Learned about process in DA	
Thursday Day - 4 1/8/24	data analytics Expression (DAX)	Learned about the expression and function	
Friday Day - 5 2/8/24	data Analytics Expression (DAX)	Learned about the expression and functions	
Saturday Day - 6	Discussion Regarding project	discussed about project	

WEEKLY REPORT

WEEK - 5 (From Dt. 27/7/24 to Dt. 2/8/24)

Objective of the Activity Done:

Power BI service and collaboration

Detailed Report: The fifth week covered the power BI service and its collaborations - features

We learned how to publish reports to the Power BI services, share dashboards and collaborate with team members in real time. The sessions emphasized data security, row-level security (RLS) and managing workspaces

We also explored power BI's integration with other Microsoft tools like excel, Teams and Share point making it easier to collaborate and share insights across the organization.

ACTIVITY LOG FOR THE SIXTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Monday Day - 1 5/8/24	filter . functions in DAX	different filters in DAX	
Thursday Day - 2 6/8/24	filter . function in DAX	different filter in DAX	
Wednesday Day - 3 7/8/24	Preparations for grand assessment test	Preparation for assessment test	
Thursday Day - 4 8/8/24	Preparation for grand assessment test	Preparation for assessment test	
Friday Day - 5 9/8/24	grand assessment test	gave the grand assessment test	
Saturday Day - 6	researched the additional information online	- additional information about BZ	

WEEKLY REPORT

WEEK - 6 (From Dt. 5/8/24 to Dt. 9/8/24)

Objective of the Activity Done: Best practices and Industry application

Detailed Report: In the final week of internship classes we focused on best practices in data analytics and real world applications of power BI across various industries

we discussed key strategies for optimizing data models, enhancing report performance, and maintaining data governance

The session also included case studies showcasing how companies use power BI for business intelligence,

sales analysis, financial reporting, and operational efficiency the week wrapped up with an overview of the upcoming project work

ACTIVITY LOG FOR THE SEVENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1 12/12/24	formation of team	clear view on team	
Day - 2 13/12/24	Project scope and objectives	clear view on Project Assigned	
Day - 3 14/12/24	Assignment of public reports	segregation of data analysis	
Day - 4 15/12/24	Reviewed public schedules	Reviewed self on data	
Day - 5 16/12/24	Feedback on accessibility LRM related report.	clear view on outcomes of reports	
Day - 6			

Objective of the Activity Done:

Project work - data analysis and visualization

Detailed Report:

The seventh week marked the beginning of the project phase

we started by defining the project scope, objectives, and deliverable

The project involved analyzing a dataset provided by smart inteq. cleaning and transforming the data and building a data model.

Our team focused on identifying key metrics, trends, and patterns that could drive business decisions.

The initial reports and dashboards were created to visualize these insights using the skills and techniques learned over the past six weeks

ACTIVITY LOG FOR THE EIGHTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1 19/8/24	Presenting actionable insights	clear view on Pictorial representation.	
Day - 2 20/8/24	Presenting the dashboards and xerxes	Representing the final output	
Day - 3 21/8/24	Collaborations, file uploading	Allocating work to all members in team	
Day - 4 22/8/24	Reviewing on dashboards, xerxes	Clear view on work done in DA	
Day - 5 23/8/24	Submission of Project.	Submitted to mentors	
Day - 6 24/8/24			

Objective of the Activity Done:

Finalization and Presentation

Detailed Report:

In the final week, we completed the project by defining our reports and dashboards, ensuring they met the project requirements.

We focused on enhancing the visual appeal and usability of the dashboards by adding interactive elements and ensuring the data was accurately represented. The week culminated with a presentation to the Smart Interns team, where we showcased our findings, explained the methodologies used, and demonstrated how the insights could be applied to solve real business problems.

The project was well received, marking a successful conclusion to the internship.

Describe the real time technical skills you have acquired (in terms of the job-related skills and hands on experience)

As an AI, I don't have personal experiences but I can describe the type of real-time technical skills that are relevant to my function:

1. Natural Language Processing (NLP): I can understand and generate human language, interpret context and provided contextual responses in real-time.
2. Machine Learning: I use machine learning algorithms to process and analyse vast amounts of text data, learning from patterns to improve responses.
3. Data Analysis: I can quickly sift through large volumes of text data to find relevant information and provides accurate answers.
4. Contextual Understanding: I can maintain context through my training data to provide accurate information or generate appropriate content.

5. Information literacy: I am ethically coach over a conversation allowing for meaningful and relevant exchanges.

These skills enable me to interact effectively and provide useful response in real time.

Describe the managerial skills you have acquired (in terms of planning, leadership, team work, behaviour, workmanship, productive use of time, weekly improvement in competencies, goal setting, decision making, performance analysis, etc.

I don't have leadership . personal experiences but i can share some key managerial skills that are often valued:

- 1) leadership : Inspiring and guiding a team towards achieving goals
- 2) Communication : clearly conversing ideas and listening to others
- 3) Decision - making : Analyzing situation and making informed choices.
- 4) Problem - solving : Identifying issues and implementing effective solutions.
- 5) Time mangement : prioritize tasks . and managing time efficiently
- 6) Conflict Resolution : Addressing and resolving disputes effectively
- 7) Delegation : Assigning tasks . appropriately to team members

8) strategic planning: setting long-term goals and
creating actionable plans

These skills help in managing teams and
projects effectively

Describe how you could improve your communication skills (in terms of improvement in oral communication, written communication, conversational abilities, confidence levels while communicating, anxiety management, understanding others, getting understood by others, extempore speech, ability to articulate the key points, closing the conversation, maintaining niceties and protocols, greeting, thanking and appreciating others, etc.,)

1. oral Communication:

Practice clearly and respectfully articulating the Israel-Palestinian conflict, focussing on delivering balanced perspective

2. Return Communication:

strengthen active listening skills by fully understanding others views responding.

3. Conversation Abilities:

Improve the ability to navigate emotionally charged conversation by staying informed about the conflict history, current events, and varying viewpoint

4. Confidence level:

Build Confidence by depending knowledge of the Israel-Palestinian conflict from multiple perspectives. practicing discussions in safe environments such as with peers or in study groups

5. Anxiety Management

Manage anxiety by preparing key points and practicing responses to potential counterargument mindframes. Techniques like deep breathing or grounding exercises.

6. Extemporaneous

Practice impromptu speaking on various aspects of the conflict, such as its history, key events, or peace efforts. This helps in developing the ability to articulate thoughts clearly and confidently during spontaneous conversation.

Describe how you could enhance your abilities in group discussions, participation in teams, contribution as a team member, leading a team/activity.

Enhancing abilities in group discussions team participation and leadership - developing a range of skills:

1. Active Listening: focus on understanding others' view and respond thoughtfully. Avoid interrupting and ask clarifying questions if needed
2. Effective Communication: clearly articulate your ideas and provide constructive feedback, use appropriate language and ensure your message is understood
3. Empathy and Respect: show empathy by acknowledging team members' feelings and perspective respect differing opinions and work towards a consensus
4. Collaboration: contribute your skills and knowledge while valuing others' contributions. Be open to teamwork and share responsibilities

5. Information Retrieval: I can efficiently search over a conversation, allowing for meaningful relevant exchanges

These skills enable me to interact effectively and provide useful response in real-time

6) organization: keep discussion focused and on track. Help set clear objectives and deadlines to guide the team's efforts

7) Delegation: As a leader, delegate tasks based on team members' strength and capabilities. Provide guidance and support to ensure tasks are completed effectively

Describe the technological developments you have observed and relevant to the subject area of training (focus on digital technologies relevant to your job role)

In the field of training and education several technological advantage have significantly impact how Learning is delivered and experienced.

1. Artificial intelligence and Machine Learning: AI drive platforms can now offer personalized learning experiences, adaptively content based on Learner performance. Tools like chatbots and virtual tutors can provides real-time assistance and feedback.
2. Virtual and Augmented Reality: VR and AR technologies create immersive learning environment that simulates real-world scenarios, enhancing practical training in fields like medicine, engineering, and the arts.
3. Learning management system (LMS): Modern LMS platforms such as Moodle, Blackboard, and Canvas, have evolved to offer integral tools for Content delivery assessments and analytics making it easier to track.

Progress and tailor instruction

4. online and Blended Learning: The rise of MOOCs (Massive open online courses) and platform like Coursera and edX has expand access to education, allowing learners to engage in self-paced and blended learning models that combine online and in-person elements

5. Data Analytics and Learning Analytics: These technologies enable education to analyze learner data to improve course design predict student success, and identify missing intervention

6. Mobile Learning (m-learning) with the proliferation of smartphones and tablets mobile learning applications provide flexible on-the-go access to educational resources and training programs.

These advancements collectively enhance the effectiveness accessibility and personalization of training and education