VAISHNAVI DEVI GUJJARI
Data Analyst

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SUMMARY

- 3+ years of proficient Industry experience as **Data Analyst** and proven project management experience in Python, SQL, Tableau, Power BI, Snowflake, surpassing project goals and fostering success.
- Proficient in leveraging Python libraries like Pandas, NumPy, Seaborn, Matplotlib, and Scikit-learn for comprehensive data analysis tasks, including data cleaning, visualization, and model building.
- Skilled in executing data manipulation, data preparation, data normalization, and predictive modeling tasks. Enhanced efficiency and accuracy through model evaluation in Python.
- Proven leadership in agile teams resulting in a 67% increase in project completion rate.
- Experience in AWS in creating and maintaining databases and writing lambda functions.
- Recognized as "***Employee of the Month***" for stellar performance for successfully delivering multiple projects.

EXPERIENCE

Data Analyst | Sureify | Hyderabad, India   *July 2020 - July 2022*

- Led a **cross-functional team**, achieving a remarkable **67%** increase in project completion rate, delivering **5 major projects** within a year, meeting all quality and functionality requirements.
- Created Tables using **DynamoDB**, buckets for code deployment using **S3**, developed **Lambda** functions using Python and created APIs using **API gateway** in **AWS**.
- Performed Data warehousing, Data collection, Data cleaning, Data Wrangling, Data Analysis and built **Machine Learning** models using **Python**.
- Handled a project on **Sentiment Analysi**s using **Python** libraries to analyze the fraudulent activity & Validated **Data integrity** by writing **SQL** queries & documented the procedure & the results using **Confluence**.
- Created **interactive dashboards** and reports using **Tableau** to track progress and visualize performance.
- Created **Tableau** server landing page to access recent report data and reduced search time by **20%**.
- Designed, developed, and maintained **data pipelines**, **data models** and **ETL processes** using **Snowflake**.
- Designed and implemented **ETL workflows** using Snowflake to seamlessly process hundreds of files concurrently while ensuring proper queue management.
- Presented a comprehensive **PowerPoint** showcasing data visualizations generated from **R** and **Power BI** to clients and stakeholders.
- Created, executed, tested complex **SQL** queries by performing **A/B testing** & **Hypothesis testing**.
- Utilized **Agile Methodology** of development for requirement gathering, planning, design, and development, developed business models.
- Boosted **software development life cycle** efficiency by **35%** with **Agile/Scrum** and **JIRA** boards.
- Designed and developed an intuitive **user interface**, achieving **30%** improvement in the website performance with **React JS, JavaScript ES6+** for client-side validation and form submission functions.
- Enhanced **UI** in the Lifetime Agent portal by applying **HTML, CSS, JavaScript**, resulting in a **22%** improvement in portal performance, architecture, and responsiveness across various devices.
- Led and mentored a team of **8** interns in **Python, Flask, Tableau and Power BI**.

Data Analyst Intern | Innopark Ventures | Hyderabad, India   *March 2020 - June 2020*

- Pioneered implementation of an innovative platform named **rent-a-block** and attained **45%** increase in revenue over estimated projections through the development and launch of the platform.
- Led a pivotal project focused on developing a **predictive model** to estimate property values accurately.
- Automated web scraping tool using python and conducted meticulous data cleaning and preprocessing, including **one-hot encoding**, to ensure data integrity and suitability for model training.
- Applied advanced techniques such as **hyperparameter tuning** to optimize model performance, resulting in a **Root Mean Squared Error** (**RMSE**) of 0.16.
- Collaborated closely with cross-functional teams throughout the **project lifecycle**, fostering seamless integration of machine learning solutions into existing business operations
- **Documented** project methodologies, findings, and insights, contributing to organizational knowledge management and facilitating future **data-driven initiatives**.
- Implemented Data Analysis Expressions (**DAX**) calculations to extract meaningful insights from data.
- Validated data and data interpretations using **R Statistical Software**.

Data Analyst ACMS Mentee | Amazon | Hyderabad, India   *January 2020 - June 2020*

- Engaged in gathering requirements, analyzing source data, and defining business roles for data migration and the development of data warehouse/data mart solutions.
- Created and maintained **DynamoDB tables** in AWS for a seasonal project.
- Extracted data from SQL database using Power BI and maintained reports using Notion.
- Achieved a **25%** improvement in website loading speed through algorithm optimization techniques.
- Created and presented interactive and visually appealing dashboards using **Power BI** and **Tableau**.

Microsoft Student Partner | Microsoft | Hyderabad, India   *September 2019 - April 2020*

- Facilitated **GitHub**, **Python** and **JavaScript** practice sessions at **CBIT** campus, leading to a **25%** increase in attendees' technical proficiency.
- Organized **Microsoft Women in Tech** events, leading to a **35%** increase in diversity initiatives within the technology sectors. Participated in Microsoft seminars, enhancing expertise in their programs.

SKILLS

Languages: Python, R, JavaScript, Java, C++, SQL, NoSQL.

Cloud Technologies: AWS – EC2, S3, Lambda, DynamoDB, API Gateway

Python and R libraries: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Keras, TensorFlow, Ggplot2

Python Frameworks: Flask, Django

Visualization Tools: Tableau, Power BI, Advanced Excel, Pivot Tables, Microsoft Office (MS Power Point, MS Excel, MS Access, MS Word, Visio), Google Suite (Slides, Sheets)

Data Analytics skills: Data cleaning, Data Analysis, Data Mining, Data Manipulation, Data visualization, Data management, Data extraction.

Databases: MySQL, PostgreSQL, SQL Server, MongoDB.

Methodologies: SDLC (Software Development Life Cycle), Agile, Scrum, Waterfall.

Testing tools: React Testing libraries, A/B testing, Hypothesis testing, ANOVA testing.

Version Control Tools: Git, GitHub.

Web Technologies: HTML, CSS, Java Script ES6, React JS, Redux, Material UI, JSON, RESTful APIs.

IDEs: Visual Studio Code, PyCharm, Atom, Spyder, Jupyter Notebook, Google Colab, Sublime.

Operating System: Windows, MacOS, Linux.

Others: Data Structures and Algorithms, UML, Web Design Principles, Jira, Confluence, Visual Studio Code, Microsoft VBA.

Soft Skills: Extreme Attention to detail, Organized, Creative, Adaptable, Team player, Problem-solving skills, Individual Contributor, Leadership skills, Initiative to take on new challenges, Resilient.

EDUCATION

ARIZONA STATE UNIVERSITY
Tempe, Arizona
August 2022 - May 2024
Masters in Computer Science

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY
Hyderabad, India
August 2017 - June 2021
Bachelors in Engineering in Information Technology