Mounica Jegurupati

mounicajegurupati01@gmail.com /*LinkedIn*| Boca Raton, FL

Summary

Results-driven Data Analyst with 3 years of expertise in analyzing, visualizing, ensuring data integrity, and generating detailed reports. Proficient in Python, SQL, PowerBI, and data warehousing, with a strong ability to translate business needs into data-driven solutions.

Education

Florida Atlantic University   **Boca Raton, FL**
Master of Science in Computer Science(3.9/4.0)   *Aug 2023 – Apr 2025*

Skills

Programming Languages: Python (Pandas, Numpy, Matplotlib), R, Java, JavaScript, ReactJs, C++
Databases: MySQL, Oracle SQL Server
Data Analysis Visualization: Power Automate, Power BI
Cloud & Tools: Amazon Web Services (EC2, ELB, EKS, Lambda, AWS SageMaker), Excel
Soft Skills: Enthusiastic, Detail- Oriented, Collaboration, Analytical skills, Problem-Solving, Communication

Experience

Teaching Assistant   **Boca Raton, FL**
Center for Teaching and Learning, FAU   *August 2024- Present*

- Assist students in understanding mathematical concepts in College Algebra and applications in Statistics.

Junior Software Engineer & Intern (ICE Project - Telecom Billing Solutions)   **Hyderabad, India**
Netcracker Technology   *April 2022 – June 2023*

- Managed **PSUPICE tickets**, analyzing and replicating issues in the local environment to identify root causes.

- Resolved existing issues by merging **Problem Request (PR)** changes and implemented C++ code fixes for new issues, creating PRs with detailed problem statements.

- Reduced debugging time by **30%** through effective **C++ code optimization**, improving issue resolution and development cycles.

- Collaborated with the **build team** to generate and validate **Release Candidates (RCs)** before deploying patches, ensuring seamless integration in an agile environment.

Data Analyst Intern   **Hyderabad, India**
Digithon   *June 2020 – July 2020*

- Developed and optimized SQL queries to extract, clean, and analyze large datasets, ensuring data accuracy and efficiency.

- Implemented end-to-end machine learning models using Python, leveraging deep learning frameworks to generate predictive insights and automate decision-making.

Projects

Exploring Real Estate Insights | ETL, Excel, Story Telling using Tableau   *Mar-Apr 2024*

- Designed **Interactive dashboards** in Tableau to visualize real estate price trends based on amenities, predicting future property values for investment opportunities.

Remedy| Python, Machine Learning, Scikit-learn, Natural Language Processing   *Aug-Dec 2023*

- Designed a Python-based **recommendation chatbot** forpatientsto offer hospital recommendations considering diseases, user proximity, consultation fees, and availability of essential medical facilities like operation theatres.

Certifications and Achievements

- Secured **2nd place** in the **CMBB Bio-Tech Bridge Hackathon** by leading a team to develop an **AI healthcare assistant** that promotes longevity and mitigates aging effects.