RUSHI REDDY LAMBU

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Education

University of North Texas   **Denton, Texas**
Master Of Science in Computer and Information Science
- **courses**: Analysis of Computer Algorithms, Software Engineering, Introduction to Big Data and Data Science, Information Retrieval and web search, Data Mining, Fundamentals of Database Systems, Usability Testing in software engineering

Sreenidhi Institute of Science and Technology   **Telangana, India**
Bachelor of Technology   **August 2017 – July 2021**
Major in Electrical and Electronics Engineering

Experience

Software Engineer   **September 2021- July 2022**
Capgemini Technology Services India Limited   **Telangana, India**
- Transitioned to a contributing team member within 3 months of training, specializing in developing backend services and microservices architecture using Java, Spring Boot, Docker, Kubernetes, OAuth and AWS Cloud.
- Achieved a 25% efficiency improvement and 20% downtime reduction. Implemented robust exception handling, detailed logging, and proactive health monitoring with Spring Boot Actuator.
- Optimized response time by 20% through Java microservices and the Spring framework. Developed RESTful APIs to ensure seamless backend integration.
- Utilized CI/CD pipelines for automating testing, deployment, and monitoring, leveraging Prometheus and Grafana for performance analytics.

Projects

i.   **Coding problems Search Engine**   **Link**
- Developed an efficient Search Engine using HTML, CSS and JavaScript, enhancing the search experience for over 1,000 users. Implemented 2 **API endpoints** using python and JavaScript.
- Scraped all problem links from **LeetCode** using **Selenium**. Constructed a **MySQL database** to store all the scraped problem links and implemented the **TF-IDF** Natural Language Processing algorithm for indexing and searching.
- Utilized Flask as the backend framework for handling HTTP requests, processing search queries, filtering results, and rendering the user interface, resulting in a **30%** improvement in response time.

ii.   **Sales insights for computer peripherals company using PowerBi**   **Link**
- Imported the SQL file containing sales data from a computer peripherals company into SQL Workbench.
- Identified and removed **15% of duplicates** and **10%** of currency discrepancies using SQL operations.
- Executed ETL processes in Power BI. Achieved data transformation efficiency of **90%.** Performed data cleaning to prepare the dataset for dashboard creation. Resulted in **98%** data accuracy for dashboard creation.
- Analysed **150,000 sales transactions**, customer details of **1,200+ clients**, and product information covering **150 Stock keeping Units**.

Technical skills

- **Scraping**: Python, JavaScript, Selenium
- **Frontend**: HTML, CSS, JavaScript
- **Backend**: Python, Flask
- **Database**: MySQL
- **Data Analytics & Big Data Tools:** Microsoft Power Bi, Tableau, PySpark, Hadoop, Microsoft Excel
- **Libraries & Frameworks:** Pandas, NumPy, Matplotlib, Scipy, Seaborn, PyTorch, TensorFlow, Keras, Scikit-learn, Spring
- **Cloud Services:** Microsoft Azure, AWS

Research Presentations and Publications

- Presented a paper at the 2021 International Conference on Computational Performance Evaluation (ComPE), IEEE Industry Applications Society (USA), IEEE advanced technology for humanity on Applications of Block chain Technology in smart microgrids.

Leadership Activities

- **Team Leader in Bachelor of Technology Final Year Major Project**
  Coordinated a team of 4 in the successful development and submission of our final year major project, achieving required results for Applications of Blockchain Technology in smart microgrids.