Veera Bhanu Prakash Reddy Annem

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🎓 Education

Master of Science in Computer Science, University of Central Florida
01/2022 – 12/2023
Orlando, United States

CGPA: 4/4

Relevant coursework: Advanced computer architecture, Design and Analysis of algorithms, Incident response technologies, Machine learning, Malware and Software Vulnerability Analysis, Operating Systems and File System Forensics, Cyber Operations Lab, Computer Forensics II, Computer Vision.

💼 Professional Experience

Graduate Teaching Assistant, University of Central Florida ↗
02/2022 – 12/2023
Orlando, United States

- Offered guidance to students on Database Concepts, Web-Based Information Technology, and Programming in C, conducted in-person lab sessions, and proctored exams.
- Graded assignments, projects, midterms, and final exams for a class of 200 students while assisting professors in course management.

Software Engineer (Client: Walmart), Infosys ↗
06/2017 – 11/2021
Chennai, India

- Handled Pathways application that dealt with the development of user interface designs, managing & handling the data using **redux** & local/session storage, and service calls to store data by employing **Java**, **Angular JS**, and **Rest API**.
- Developed and launched the Subzero Admin application within a remarkable 2-month timeline, saving **50%** in both time and project costs compared to the initially estimated 4-month duration.
- Developed Subzero Admin application with both Mobile and Desktop Compatibilities and integrated it with a service to synchronize data from **3PI** applications.
- Created API services in **Node JS** using graphql to store and fetch data from **MySql** DB.
- Designed a data pipeline for the user to perform modifications in the database while integrating Academy and Badge applications involving tracking and assigning compliance codes and ethics for associates.
- Built user interface with **React JS** and **Redux**, while implementing backend services developed in **Java**.
- Actively participated in Scrum calls with business analysts to decipher the requirements and identify key areas for improvement to enhance user experience further.
- Employed **Express JS**, and **GraphQL** to help develop and manage the Academy application efficiently.
- Skilled in writing complex queries, aggregations, and utilizing **MongoDB**'s unique features to ensure efficient and scalable data storage and retrieval.

🧠 Skills

Programming languages
Java, JavaScript, Python, TypeScript

Databases
MySql, MongoDB, DB2, Maria DB

Frameworks
React JS, Node JS, Express JS, Angular JS, Spring Boot, Redux, HTML, CSS, BootStrap, GraphQL

Software Tools/IDE
Visual Studio, MySql Workbench, Eclipse, Google colaboratory, Postman, Jira, Github, Gitbash, DBeaver, QMF

📁 Projects

Academy Application (React Js, Java, GraphQL, Express JS, MySql)
Academy is an application that deals with tracking and assigning a variety of courses for associates by Academic trainers. On completion of specific courses by the associates and also considering their performance, badges will be awarded to the associates.

SubZero Admin Application (Java, React JS, Redux, Node JS, Spring Boot, DB2)
Subzero Admin is an application where the user can create teams, search for associates and assign them to a team, and map the courses to the corresponding team.

Cache Simulator (Java, React Js, Chart Js)
To analyze and compare the performance, area, and energy of different memory hierarchy configurations using a subset of the SPEC-2000 benchmark suite, I created a Java application that implements a flexible cache and memory hierarchy simulator with various cache replacement policies such as LRU, Pseudo-LRU, Optimal policy, and FIFO.

Rainfall Prediction with Machine Learning (Python, ScikitLearn, Data Visualization)
Using precision score, ROC AUC, Cohen's Kappa, and total run time, we determined which machine learning model performed best. Python and Scikit-Learn are used for data exploration, data preprocessing, handling class imbalance and missing values, imputation, transformation, feature selection, and model training.

🏅 Achievements and Awards

Infosys

- Presented with a certificate of achievement from Infosys for securing *1st* position in the BTN Ideathon Event conducted across different development centers of Infosys in India.
- Rising Star Award for exemplary performance in developing the NextGen Learning application maximizing user interoperability.
- Insta awards and commendable ratings for two consecutive years to have acted as owner.