Sri Harrsha Kolli

Dallas, TX ♦ kollisriharrsha@rocketmail.com ♦ +1 (682) 366-0648 ♦ Linkedin ♦ Github

Education

Master of Science in Computer Science   **Aug 2022 – May 2024**

University of Texas at Arlington, Texas   CGPA: 3.9 / 4.0

Related coursework**:** Web Data Management, Data mining, Machine Learning

Bachelor of Technology in Computer Science and Engineering   **June 2018 – Apr 2022**

PVP Siddhartha Institute of Technology, India   CGPA: 8.4 / 10.0

Related coursework: Java Web Technologies, Software Engineering, Database Management

Professional Experience

Graduate Teaching Assistant   **Aug 2023 – May 2024**

University of Texas at Arlington, Texas

- Assisted the professor in the **Distributed Systems** course, grading assignments and proctoring exams while providing academic support to students.
- Mentored and assisted students apply theoretical knowledge to practical projects using **Apache Hadoop** and distributed programming techniques with **Python** and **Java.**

Software Engineer Intern   **Sept 2021 – July 2022**

Ujjwal Systems, India

- Worked closely with the web development team to revamp the firm's website, utilizing **React.js**, **Node**.**js** and **MongoDB** to create a more interactive and responsive user interface.
- Built and integrated RESTful APIs using **Java** and **Spring Boot** facilitating smooth communication between microservices and external tools.
- Developed automation scripts using **Bash** and **Python** to streamline routine tasks and reduce manual intervention using **Git** version control and deployment pipelines, enabling rapid development cycles and continuous delivery.

Project Experience

Leveraging machine learning algorithms to predict stock trends based on company data

- Developed a stock trend prediction model using **Recurrent Neural Networks (RNN)** and **Long Short-Term Memory (LSTM)**, analyzing company data to predict market indices.
- Presented the paper and got it published in AIC Conference proceedings.(Link)

MSC Academic Program (Canvas-like LMS application)

- Built a web-based student management system to streamline academic processes done as part of course curriculum. Deployed the application to UTA cloud. (Link)
- Used **PHP** for backend logic and **React.js / CSS** for a dynamic frontend, integrated within the **Laravel** framework.
- Designed role specific dashboards and implemented their functionalities to cater to Students, Instructors, Administrators and the Quality Assurance team.

Personalized Career Recommendation Chatbot

- Designed and developed an intelligent chatbot using **OpenAI's language model API** for personalized career recommendations based on user inputs, leveraging **Natural Language Processing (NLP)** techniques.
- Integrated the chatbot into a web application with **JavaScript**, with asynchronous communication via **AJAX** and **RESTful APIs** for real-time interaction.

Attendance Management System

- Built and deployed an **Android-based mobile application** to automate attendance tracking for instructors, eliminating manual methods such as Excel sheets.
- Used **Android Studio**, **Java**, and **XML** to develop the user interface and core functionality, integrating **Firebase** for real-time database management and secure authentication.

Technical Skills

Programming Languages: Python, C++, Java, JavaScript, PHP, Typescript

Frameworks and Libraries: React.js, AngularJS, Node.js, Laravel, Spring, Pyautogui, Bootstrap

Tools and Technologies: SQL, Apache Hadoop, Apache Kafka, Gradle, NoSQL (MongoDB), BigQuery, PySpark, AWS, RESTful APIs, Microservices, JWT, Power BI

Version Control and CI/CD: Git, Github Actions, Docker, Jenkins, Kubernetes

Testing: Junit, Selenium, Postman, Pytest