SRI HARRSHA KOLLI

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EDUCATION

University of Texas at Arlington, Texas   **Aug 2022 – May 2024**
Master of Science in Computer and Information Sciences   CGPA: 3.89/4.0
Related coursework: Distributed Systems, Web Data Management, Data mining, Machine Learning

PVP Siddhartha Institute of Technology, India   **June 2018 – Apr 2022**
Bachelor of Technology in Computer Science and Engineering   CGPA: 8.4/10
Related coursework: Operating systems, Data structures, Database management, Big data concepts

WORK EXPERIENCE

Ujjwal Systems (Jan 2022 – July 2022)
Network Engineer

- Enhanced and streamlined network hardware components, increasing system performance by 40%, and executed comprehensive server maintenance procedures, improving overall operational efficiency.
- Collaborated with the web development team to enhance the firm's website design.
- Involved in troubleshooting technical issues from time to time and implementing effective solutions.

PROJECT EXPERIENCE

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

- A stock prediction approach using recurrent neural network (RNN) and Long Short-Term Memory (LSTM) approach to predict stock market indices.
- Presented the paper and got it published in AIC Conference proceedings.(Link)

MSC Academic Program (Web Application)

- 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 seamlessly integrated React for dynamic frontend components within the Laravel framework for designed role specific dashboards and implemented their functionalities to cater to Students, Instructors, Administrators, QA officers etc.

File Transfer Service using Remote Procedure Calls (RPCs) and Multithreading

- A client-server based file transfer service built on RPC protocol. Performs basic file operations for downloading, uploading, renaming, and deleting files on the server.
- Also implemented a shared directory service which synchronizes the client and server- side directories instantaneously for storage.

News Article Classification using Bayes Learning

- Trained a naïve Bayes Classifier on sets of news articles belonging to different categories.
- Classifies new articles by computing prior, conditional probabilities against each existing news category.

Attendance Management System

- Designed and launched an Android app to streamline attendance tracking for instructors, eliminating the need for Excel sheets and traditional registers, resulting in a 30% reduction in administrative workload.
- Utilized Android Studio, XML, Java and Firebase for storing databases and providing real time access with authentication.

Personalized Career Recommendation Chatbot

- Developed a career recommendation chatbot using GPT API to assist users in identifying suitable career paths based on their interests and skills.
- Integrated the chatbot into the web application using JavaScript for seamless user interaction.

TECHNICAL SKILLS

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

Frameworks and Libraries: ReactJS, AngularJS, Laravel, Spring, Django, Flask

Tools and Technologies: SQL, MapReduce, Kubernetes, AWS, Azure, NoSQL Databases (MongoDB), Spring, NodeJS, Unit testing, RESTful APIs, Agile, Microservices

DevOps: Git, Virtualization, Docker, Jenkins, Kubernetes