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   Current CGPA: 3.89/4.0
PVP Siddhartha Institute of Technology, India   **June 2018 – Apr 2022**
Bachelor of Technology in Computer Science and Engineering   CGPA: 8.4/10

WORK EXPERIENCE

Ujjwal Systems (Jan 2022 – July 2022)
Network Engineer
- Managed and optimized network related hardware components.
- Collaborated with the web development team to enhance the firm's website design.
- Executed server maintenance procedures, significantly reducing downtime.
- 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.
- 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
- An android app for instructors to take attendance of students registered in the class, replacing Excel sheets and the traditional registers.
- Made in Android Studio using XML and Java. Used Firebase for storing database and providing real time accessing with authentication.

AREAS OF INTERESTS

Distributed Systems, Data analytics, Cloud computing, Artificial Intelligence, Machine learning, Web Development, Mobile App development

TECHNICAL SKILLS

Languages: C, C++, Python, Java, JavaScript, React
Concepts: CI/CD, SQL, NoSQL, System Design, Cloud Computing, Distributed Computing
Tools: Docker, Git, AWS, VirtualBox, VS code, Android Studio