

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

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

Technical Skills

Programming Languages: Java, TypeScript, Python, JavaScript, C++

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

Tools and Technologies: SQL, Kafka, Hadoop, Gradle, MongoDB, PySpark, RESTful APIs, Microservices, JWT, Power BI

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

Testing: Junit, Selenium, Postman, Pytest

Cloud: AWS (S3, EC2, IAM, Lambda, DynamoDB, RDS), GCP (Firebase, BigQuery)

Professional Experience

Research Assistant

June 2024 – Present

University of Texas at Arlington, Texas

- Worked on improving the file block replication strategy in **HDFS** to enhance fault tolerance and reduce data access latency across distributed nodes.
- Analyzed and optimized **MapReduce** job execution by fine-tuning configuration parameters to improve job throughput for large-scale data processing tasks.
- Implemented efficient storage solutions using **HDFS** and **NoSQL** databases, optimizing data retrieval and storage operations to accommodate high volumes of unstructured data.
- Contributed to the development of custom data processing pipelines for improving system scalability.

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

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 **React.js / CSS** for a dynamic frontend and **PHP** for backend logic, integrated within the **Laravel** framework.
- Implemented messaging using **Node.js** backend and storing the data in a **MySQL** database.

Personalized Career Recommendation Chatbot

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

Certifications

AWS Developer Associate, Microsoft Certified: Azure Data Fundamentals, IBM CI/CD, Spoken Tutorial (Java, PHP, MySQL)