

Rahul Erukulla

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EDUCATION

The University of Texas at Austin | Bachelor of Science | Electrical and Computer Engineering | May 2023

- Specialization in Software Development
- GPA: 3.35/4.00

Relevant Coursework:

- Software Design and Implementation (C/C++/JAVA/Python/Mobile Application Development)
- Digital Logic Design, Software Engineering and Design Lab, Algorithms, Software Architectures

WORK EXPERIENCE

Software/Data Engineering Intern | Visa | May 2022 – August 2022

- Worked on the Visa Business Data Solutions team to develop a POC for Commercial Insights; a data-driven application that displays business, health, and opportunity metrics through various graphical outputs.
- Utilized relevant data from DB2, HDFS, and Hive tables, fetched using native SQL queries in a Java Springboot application with hibernate framework. Data was forwarded to a React.js-developed front-end using REST API and then properly formatted.
- Schemed and organized data into multiple views, allowing corporates and issuers to make business-strategic decisions and improve data processing.
- Developed Apache Spark jobs to handle data-retrieval and aggregation, improving end-to-end times by 50%.

Teacher | Codakid | March 2021 – April 2022

- Teaching grade-school children programming fundamentals through a project-based curriculum focused on scratch, python, and JAVA.
- Contributed to curriculum through development of new projects using Pygame Library.

Intern | National Oilwell Varco | March 2020

- Cultivated experience and skills concerning the oil drilling industry's implementation of embedded systems and advanced machinery.
- Collaborated with small team to design and optimize drilling machinery parts using CAD, concluding in presentation of designs.

Tutor | Kumon North America | August 2017 – August 2019

- Tutored grade-school children in mathematics and critical thinking concepts.
- Worked closely with tutoring team to consolidate various tasks and facilitate organization of students.

ACADEMIC EXPERIENCE

HaaS Web Application

- Led back-end development on scrum team to develop full stack hardware-as-a-service web application.
- Built API using Python Flask and MongoDB to store user data and update front-end components with relevant data.
- Led weekly stand-up meetings, updated project board, and wrote documentation to address stakeholder needs.

Vaccine Bot

- Designed an automated bot to scan and reserve vaccination appointments across multiple sites, culminating in a smooth booking process for many users.
- Software built using JAVA Selenium Library.

Fantasy-Focus Mobile Application

- Developed front-end for a fantasy football assistant mobile application.
- Mobile front-end was designed using React Native. Web front-end designed using JavaScript, CSS, and HTML.
- Created components to display current statistics and player grades using proprietary player-performance algorithm.

SKILLS

- Proficient in JAVA, C/C++, Python, Apache Spark, Scala, Kafka, Flask, HTML/CSS/JavaScript, React.JS, SQL, Assembly, Linux/Unix, Git, Microsoft Office.
- Excellent communication skills, time-management & extensive experience working in an agile team environment.