Akib Maredia
Software Engineer

@ akibmaredia@gmail.com   in /akibmaredia   ⓞ /akibmaredia   ▫ (281) 871 0274   ⦿ Gainesville, Florida

🎓 Education

2015 - 2019	University of Mumbai (GPA: 8.07)
	Relevant Courses: Software Engineering, Web Technologies, Data Structures, Analysis of Algorithm, Database Management System, Computer Networks
2019 - 2021	University of Florida (GPA: 3.66)
	Relevant Courses: Analysis of algorithms, Database Management Systems, Advance Data Structures, Database System implementation, Computer Networks

💼 Professional experience

Amazon
May '20 - Jul '20

Software Development Engineer Intern,
> Worked on a project to provide training and resource materials for user based on the platform they are using to improve user experience.
> This project also involved creating settings for users to control the level of automation provided by automated services.
> Created React components, connected them to Redux store and created url endpoints for API calls to fetch and set user's preferences for the settings option and linked training and resources to their appropriate S3 buckets.

Java Spring Boot | React | Redux | Typescript

🔧 Projects

Database System Implementation   Jan '20 - Apr '20
> This project involved developing an in-memory database system in C++.
> Implemented Heap and Sorted file organization to store and manage database records.
> Implemented database query commands like: CreateTable, Insert, Drop, Select, Where, GroupBy and Sum.

C++

Rising City ⓞ github.com/akibmaredia/risingCity   Oct '20 - Dec '20
> Implemented Red Black Tree and Min heap data structures to track constructions of buildings.
> Min heap was used to store the buildings ordered by execution time and red black tree was used to store building ordered by building number.
> Developed synchronization and priority scheduling logic.

Java

Pothole Detection   Jan '19 - Mar 19
> This project aims to help the government authorities responsible for maintenance of roads throughout the year and more during the rainy season when pothole formation is at its peak and send the location of the traffic camera whose footage was used for detection of pothole(s). Accuracy ranged between 80% and 90%.
> In this project we are using the concepts of Big Data and Machine Learning. Machine Learning is performed using TensorFlow library on Python platform to detect potholes.

Python

Banking System   Jan '18 - Apr '18
> Developed a Banking System using Java Database Connectivity and Java Server Pages.
> Worked on security features like login and unwanted access, to make system intruder-free
> Prevented the pages from SQL injection, cross-site scripting and focused on various security features

Java | JSP

⚍ Technical Skills

Java, Python, Javascript, Redux, React, Typescript, Node.js, Java Spring Boot, SQL, MongoDB, Git, IntelliJ, VS Code