KARUN DAWADI

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EDUCATION

The University of Texas at Arlington   Arlington, TX
Bachelor of Science in Computer Science

GPA: 3.92/4.0, Dean's List for 5 semesters

TECHNICAL SKILLS

Programming languages: Python, JavaScript ES5/ES6, C, TypeScript, Swift, SQL, C++, Java, Regex
Frameworks and Libraries: React Native, React, Redux, Axios, Expo, Flask, Django, Pandas, Numpy, Bootstrap
Web Technologies: HTML5, CSS, XML, JSON, REST, Github Pages, WordPress, CPanel, Google Analytics
Database: MySQL, SQL/NoSQL , Firebase
Tools/ Repository: GIT, Service-Now, Maven, CocoaPods
Developer Tools: XCode, Android Studio, VS Code, IntelliJ, Eclipse
Operating Systems: macOS, Windows, iOS, Android, Unix, Linux
Methodologies: Agile, Waterfall, Test Driven Development (TDD)

PROJECTS

SaveCash | ▶ ⚫ | *React Native, TypeScript, JavaScript, Redux, Expo, GIT*   Jun 2021 – Present
- Developed an Android and iOS application using React Native that allows users to manage their expenses
- Implemented persistent storage using Redux-persist, published an android application on the play store via Google Play Console, and used a variety of react-native and react libraries to design the application's front end
- Used Expo for managing the development process, making builds, and testing on a variety of devices

What to watch tonight? | ⊕ ▶ ⚫ | *Python, Flask, Pandas, Numpy, React, Axios, Bootstrap*   Aug 2021 – Nov 2021
- Designed a web application using Python and React that recommended movies to users using a user-user collaborative filtering algorithm
- Designed a REST API using Flask and Flask-CORS, implemented the user-user algorithm using Pandas and Numpy
- Used Axios to communicate to back end system, and used bootstrap, material-UI, and React to create the front end system

Robotic Arm | ▶ ⚫ | *Python, C, EV3*   Nov 2021 – Dec 2021
- Designed an autonomous robotic arm using Lego EV3 capable of drawing various shapes
- Used inverse kinematics to calculate the end-effector positions
- Used C and Python to interpolate the robotic arm through calculated points

Fat32 File Navigator | ⚫ | *C, C++, Linux*   Oct 2020 – Dec 2020
- Designed a command-line interface capable of traversing and performing various operations in a Fat32 file

EXPERIENCE

IT Services Assistant   December 2018 – Present
The University of Texas at Arlington   *Arlington, TX*
- Built and maintained a website that users could access for assistance with problems they encountered while working from home
- Resolve computer hardware, software, printing, installation, email, and operating system issues
- Maintain detailed logs of incidents, ongoing status, and resolutions in the Service-Now Management System
- Perform automation and functional testing on various enterprise applications

ACCOMPLISHMENTS

- Recipient of Maverick Academic Scholarship
- General member of Cyber Security Club at UTA since 2020