

Rupesh J. Solanki

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OBJECTIVE

To become part of an organization where I can utilize and grow my skills in software engineering and make significant contributions to an AGILE team.

EDUCATION

Bachelor of Science, Computer Science

Dec 2020

University of North Texas

GPA: 3.59

SKILLS

Software: C, C++, Java, Javascript, HTML, SQL, Dart, Node.js

IDE: Android Studio, Eclipse, Microsoft Visual Studio, Flutter

PROGRAMMING EXPERIENCE & PROJECTS

Senior Capstone Project

- Objective: To create a child-friendly alarm clock application that a parent could use to help keep their child to a schedule
- Led a team in an AGILE environment to create an Android application using Android Studio, Github, Flutter API, and Dart programming language
- Elicited requirements through interviews with a sponsor to help guide the design of the application
- Updated requirement, design, and testing documents at the end of every sprint

Property Rental Website

- Collaborated with a group to create a property rental website application using HTML, ASP, and Github
- Focused on creating an excellent user experience by allowing the end-user greater flexibility in refining their search and displaying results in a pleasing manner

Software Engineering Application

- Worked with a team to create an Android application that allows users to find workers for specific jobs using Android Studio, Github, Flutter API, and Dart
- Used Firebase as our backend database to store user passwords and user job postings

Other Projects

- Constructed a simple CRUD database using SQL, Node.js, and HTML to create a baseball team roster
- Created multiple sorting algorithms in C++ such as quicksort, mergesort, BST, radix sort, and TimSort.
- Worked with a team in python to create a password manager program using AES encryption to store passwords
- Gained a fundamental understanding of how to create a networked system of Cisco routers, switches, and PCs
- Learned the basics of computer forensics and cyber-crime analysis including Windows/iOS/Linux file management, data duplication, recovery and analysis