Chiruhas Bobbadi

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OBJECTIVE

A software development enthusiast with a decent experience in building full stack Applications, seeking an SDE internship/Job opportunity to get exposed to real life problems and developing innovative solutions.

EDUCATION

Master of science in Software Engineering, CGPA 3.8/4.0   May 2024
San Jose State University, San Jose, California
- Coursework: Enterprise software platforms, Software systems engineering, Enterprise Application Development, Cloud Computing.

Bachelor of Technology in Computer Science, CGPA 3.91/4.0   Aug 2017 - Aug 2021
Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada, Andhra Prades, India.
- Coursework: Data Structures and Algorithms, Object Oriented Design, Server-Side Programming, Operating Systems, Database Management Systems, Software Engineering Methodologies, Mobile Application Development.

TECHNICAL SKILLS

Languages: JAVA | JavaScript | Python | C/C++
Database Technologies: SQL Server (SQL), MongoDB (NoSQL), MongoDB Aggregation Framework, Firebase
Web Technologies: node.js, react.js, JSON, REST (principles & API), sockets (TCP & UDP connections), GraphQL
Other: Native Android development, Version Control (Git), Data Structures & Algorithms

PROJECTS

IoT Dashboard, Full Stack Web Application   Nov 2022
- Collaborated with a team of 4 in developing a web based IoT dashboard, with robust UI
- Utilized state of art frameworks like react.js and node.js with complete end to end integration of features
- Created a dashboard provides users with 4 features like the ability to manage devices, control and configure, monitor and tracking, billing
- Dealt hands on with AWS IoT simulator to simulate diverse IoT clients

ThunderStorm Alert System, Mobile Application + Web Dashboard + Web Service   Oct 2019 - Feb 2021
- Led a team of 4 people for a duration of 16 months from project's design to its implementation
- Redesigned architecture of an existing system and built a new application from ground up
- Harnessed power of NoSql database for geospatial operations and worked hands on with live thunderstorm data

Margin & Brokerage Calculator, Mobile Application + Web Service   Feb 2019 - Oct 2020
- Developed an Application and a web service to scrape data and serve REST API's JSON data to application
- Application aggregates data from 4 trading platforms, condenses and represents it in a unified format
- Published application in Google Play Store, achieved a user rating of 4+

Bhaktivedanta Library, Mobile Application   Jul 2020 - Sep 2020
- Collaborated with 2 people during design and development of application and its later publishing in Google Play Store
- E-reader application, comes pre-loaded with 24 religious books, application provides various functionalities
- Utilized Room persistence library for storing data, also incorporated a customizable user experience to let users choose what functionality is needed. It comes with 5 essential features searching, bookmarking, quick search, bookmark search, and dark mode

Price Drop, Mobile Application + Web Service   Oct 2019 - Jun 2020
- Developed a web service, scrapes product data from 2 leading e-commerce platforms
- Implemented a system of notifying users when a product price decreases by a certain percentage

PUBLICATIONS

- HsvGvas: HSV Color Model to Recognize Greenness of Forest Land for the Estimation of Change in the Vegetation Areas
- Geospatial Based Thunder Storm Alert System

EXPERIENCE

Full Stack Web & Android Development Intern, Andhra Pradesh State Disaster   Oct 2019 - Apr 2020
Management, Vijayawada, Andhra Pradesh, India
- Automated 2 critical tasks, gained extensive knowledge of web services and application development
- Gained skill in handling and making API calls, transforming data to suit client application need and creating socket connections and worked extensively on noSQL