SIBANGEE MOHANTY

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Education

University of Texas at Arlington, Texas, USA   **August 2021 - May 2023**
Master's of Science in Computer Science   *Cum. GPA: 3.6*

Technical Skills

Programming Languages & Tools: Python, Tkinter, Flask, Java, Angular 2+, Node, TypeScript, HTML5/CSS, JavaScript, PHP, SQL, Wordpress, .NET, React, Android, C/C++, Spring, Hibernate, AWS

Experience

Spacee Inc   **Sept 2022 - January 2023**
Software Engineer Intern   *Texas, USA*

- Created interactive and feature-rich Angular 2+ applications utilizing Directives, Controllers, Filters, Services and Templates
- Implemented features for Hover Touch Connect software in Java, Node and Typescript
- Collaborated with other teams to develop services that run on devices and interact with IoT Central
- Automated QA and regression testing

3DM Digital Agency   **Jan 2019 - June 2019**
Web Developer Intern   *Hyderabad, India*

- Designed and implemented websites using Wordpress, HTML, CSS, and PHP
- Collaborated with several clients directly to get insights on their needs and desires, implemented those and helped them to deploy the new features

Ramid Info Solution Pvt. Limited   **April 2018 - Oct 2018**
Web Developer Intern   *Odisha, India*

- Responsible for developing and maintaining high-quality software applications in Java-based technologies, including Spring, Hibernate, AWS, and RESTful web services.
- Built applications from scratch using Ajax, HTML, PHP, CSS, and JavaScript for multiple local businesses
- Maintained live projects by fixing bugs, technical issues and implementing new customer asks

Projects

CLIENT-SERVER PROGRAMMING USING SOCKETS CONNECTIONS | *Python*

- Developed a command-line tool to generate a composite directory list from multiple servers using sockets connections in Python
- Implemented autonomous synchronization of directory contents and metadata across multiple servers during runtime
- Designed and implemented mutual exclusion update queues to handle concurrent operations

WEB APPLICATION DEVELOPMENT ON CLOUD PLATFORM | *Flask, Microsoft Azure*

- Developed and designed multiple project using Python's flask framework which includes data visualization
- Performing autoscaling and load balancing using Redis cache
- Query operations and optimization using the usgs earthquake data set
- Allowed a user to select intervals or attributes in a data set, visualized and displayed results as a pie chart, a histogram
- Multi threading implementation for quiz game and it displays the score

EXCHANGE LIBRARY ANDROID APP | *Android, Java, Firebase*

- Designed a social media application for readers to exchange books
- Responsible for developing features like new feeds, chat, user profile, review and rating
- Developed Domain model, Actor system interaction model, High level use cases, expanded use cases etc for the app
- Stored and retrieved users and corresponding data using Firebase realtime database

SOFTWARE PROJECT MANAGEMENT | *Microsoft Project Plan, COCOMO II*

- Worked as a manager on "Project Scope and Feasibility" documentation based on the project named "ServeMeSystem"
- Exploited Microsoft Project plan for developing a schedule, assigning resources to tasks, tracking progress, managing the budget, and analyzing workloads
- Worked on a report estimating the project cost using COCOMO II tool

PERSONAL HEALTH MONITORING SYSTEM (PHMS) | *Agile , REACT, Java*

- Objective was to learn Agile/Scrum with 2-week delivery of Sprint
- Developed a website using React to help users maintain various personal health-related data
- Responsible for writing Java and XML-based Spring Configurations files
- Deployed the Application on the EC2 instances of AWS