SANSKRUTI BETAGERI

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EXPERIENCE

Software Engineer Intern
LG Soft

📅 Jun 2023 – May 2024   ⚲ Bengaluru, India

- Worked in an Agile environment on user story analysis, estimations, coding, unit testing, debugging, peer reviews, problem-solving, third-party integrations, documentation, and deployment.
- Successfully developed and deployed 10+ high-performance REST APIs using Java SpringBoot, enhancing the application's scalability and maintainability.
- Achieved a 85% unit test coverage by creating comprehensive unit test cases with JUnit and Mockito; ensured code quality and security through rigorous SonarQube checks.
- Built and integrated 5+ reusable components in Angular, reducing development time for new features by 20%.
- Hands-on experience with Amazon Web Services (AWS) Compute and Storage Services.
- Tested multimedia drivers and debugged issues by analyzing connector logs.
- Implemented and tested features like Settings and Updates on the webOS platform.
- Developed and maintained automated test scripts using Selenium WebDriver for regression testing, significantly reducing manual testing efforts.
- Conducted performance and load testing using Apache JMeter Tool to identify and address performance issues in APIs.

SWE Intern
Tantragyaan Solutions

📅 Jan 2023 – Jun 2023   ⚲ Bengaluru, India

- Designed databases and created optimized SQL queries.
- Developed applications using Python frameworks like Django and front-end technologies like Angular, HTML, and CSS.
- Built user-facing REST APIs for an HRMS tool.
- Designed and developed UI components using Angular.

Web Developer
Eduphoneix Solutions

📅 Oct 2022 - Dec 2023   ⚲ Remote

- Gained knowledge of the Software Development Life Cycle (SDLC).
- Created HTML and CSS templates and developed interactive web pages using native JavaScript.

EXTRA-CURRICULAR

- **IEEE Student Member** - Conducted workshops & national level conferences.
- **Project ReachOut Member** - Volunteered for various community impact services.

TECHNICAL SKILLS

- **Programming Languages :** Python, Java, JavaScript, C, TypeScript
- **Front-End :** HTML, CSS, Angular, Selenium
- **Back-End :** SpringBoot, Django, JPA
- **Build Tools:** NPM, Maven
- **Testing :** Selenium, Postman, JMeter, JUnit, Mockito
- **Databases :** MySQL, Firebase
- **Cloud Services :** AWS EC2, S3, Cloudwatch.
- **DevOps :** GIT, Jenkins, Docker, Kubernetes
- **Other Skills:** Datastructures & Algorithms, Operating Systems, Database Management Systems (DBMS), Computer Networks

EDUCATION

B.E, Electronics and Communication Engineering
JSS Science and Technology University, Mysore, KA – 8.27 GPA

📅 July 2019 – May 2023

Higher Secondary School
Prarthana PU college, Bagalkot, KA – 92%

📅 May 2017 – Mar 2019

Secondary School
ST Annes Convent High School, Vidyagiri Bagalkot, KA – 98.7%

📅 May 2016 – Mar 2017

ACADEMIC PROJECTS

1. RFID-based car parking system

Developed a system where RFID cards are assigned to users, and card details are pre-programmed into a microcontroller. If the user record exists, parking access is granted. Simulated using Proteus Design Automation Software.

2. Development of Algorithm for Driverless Car Navigation

Developed an algorithm for driverless car navigation in MATLAB, focusing on global and local path planning. The system ensures cars drive in the center of lanes and avoid obstacles. This MATLAB simulation was tested on a FPGA hardware.