

SAICHANDRA VALLAKATLA

Hyderabad, Telangana

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Education

University College of Engineering, Osmania University

Dec 2020 - May 2024

Bachelor of Engineering in Electronics and Communication (CGPA of 8.55)

Hyderabad, India

Projects

ShopEasy | *React, Redux, Node.js, Express.js, MongoDB*

- Architected and developed a full-stack e-commerce platform featuring user authentication, product browsing, cart management, and order processing.
- Integrated RazorPay for secure and efficient payment transactions, enhancing user trust and satisfaction.
- Built a comprehensive admin panel for streamlined management of products, orders, and users, facilitating business operations.
- Recently refactored the monolithic architecture to a microservices-based structure, significantly improving scalability, fault tolerance, and maintainability.
- Deployed services on AWS EC2 instances with automated deployment pipelines using Ansible and Docker, optimizing deployment processes

DSA Sheets | *HTML, CSS, ReactJS, local storage of browser, Progressive Web App (PWA)*

- Designed and implemented a Progressive Web Application (PWA) to help users systematically master Data Structures and Algorithms (DSA) concepts.
- Developed an interactive and user-friendly interface with ReactJS, enabling users to track their learning progress with real-time updates stored in local storage.
- Enhanced user experience by enabling offline access and seamless data persistence across sessions.
- Incorporated responsive design principles, ensuring optimal performance across all device types.

Aakruthi 2023 | *HTML, CSS, JavaScript, Social Media APIs*

- Engineered the front-end for Aakruthi 2023, a large-scale national-level technical symposium, using advanced HTML, CSS, and JavaScript.
- Integrated social media APIs to enable real-time sharing of event details, increasing participation and engagement
- Applied modern CSS techniques, including Flexbox and Grid, to create a responsive and visually appealing layout across multiple devices.
- Enhanced user interactivity through dynamic content rendering and event-driven programming, ensuring a smooth and engaging user experience.

Technical Skills

Programming Languages & Frameworks: Core Java, JavaScript, Python, HTML/CSS, ReactJS, NodeJS, ExpressJS

Database & Concepts: SQL, MongoDB, DBMS, Data Structures, Object-Oriented Programming

DevOps & Cloud: Docker, Kubernetes, AWS EC2, Ansible, Shell Scripting, Basics of Linux, Terraform

Architecture: Enhanced ShopEasy project using microservices

Version Control: Git, GitHub

Achievements

- Qualified for second round of FlipKart GRiD 5.0 - Software Development Track organized by FlipKart
- With a total percentage of **83.19**, I excelled in the TCS iON NQT - IT exam.
- Secured a rank of **1201** in EAMCET among 1.2 Lakh students.
- Overall Coding Score of **900** in geeksforgeeks
- Earned a Java Basic Certificate from HackerRank, demonstrating proficiency in fundamental Java programming skills.

Positions of Responsibility

Convener | *National Level Technical Symposium Aakruthi 2024*

- Elected by (500+) students to lead institute's highest student body.
- Efficiently managed a budget of over INR 1.5 million, ensuring the successful execution of 50+ events, including workshops, technical competitions, and cultural activities.

Secretary | *IETE OUCE Student Forum 2023-2024*

- Acted as a key point of contact, managing communication between students, faculty, and the student forum.
- Oversaw event planning and logistics, ensuring the smooth execution of educational and professional development activities.