

PURUSHOTAM KUMAR RAUNIYAR

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Summary

Software Engineering student with strong DSA foundations and hands-on experience from a VR-based web development internship using React and A-Frame. Runner-up in Smart India Internal Hackathon 2024, demonstrating strong teamwork and problem-solving. Skilled in React, Node.js, JavaScript, backend integration, and writing clean, maintainable code aligned with industry best practices.

Experience

Simutopia | Visakhapatnam, Andhra Pradesh

Software Engineer Intern | 09/2024 - 06/2025

- Engineered VR-based interactive web components using **React** and **A-Frame**, supporting immersive simulation features.
- Increased overall component test reliability by **30%** through unit testing with **Jest** and **React Testing Library**.
- Authored detailed codebase documentation using **JSDoc**, improving maintainability and accelerating onboarding.
- Collaborated in **Agile SCRUM** teams, contributing to sprint planning, issue refinement, and daily stand-ups.
- Assisted senior developers in designing modular UI structures and reusable frontend components.

Virtual Experience Program

JPMorganChase Software Engineering Job Simulation on Forage - December 2025

- Integrated **Kafka** into a **Spring Boot microservice** to consume and deserialize high-volume transaction messages using a configurable topic and embedded Kafka test framework
- Implemented transaction validation and persistence logic with **Spring Data JPA** and an **H2 SQL database**, including entity modeling and balance updates across relational User records.
- Connected the service to an external **REST Incentive API** using RestTemplate, processing incentive responses and incorporating them into transactional workflows.
- Developed a **REST** endpoint for querying user balances, returning JSON responses through a Spring controller while maintaining clean architectural boundaries.
- Verified system behavior using **Maven test suites** and debugger-driven inspection, ensuring reliability across message ingestion, database operations, and external API interactions.

Projects

wandR-Rental Platform – MERN Stack (MVC Architecture) | 02/2025 - 12/2025

- Built a responsive full-stack property rental web app using **Node.js**, **Express**, and **MongoDB**
- Implemented secure user authentication, property filtering, and dynamic **CRUD-based REST APIs**.
- Structured backend using **MVC architecture** to enhance scalability, modularity, and long-term maintainability.

Skills

React.js, Express.js, Node.js, MongoDB, JavaScript, Java, SQL, REST APIs, Jest, Python, C (Basics), A-Frame (Basics), React Testing Library, JSDoc, Git, GitHub, MVC, CRUD, Agile (SCRUM), Docker, CI/CD

Education

Andhra University | Visakhapatnam, Andhra Pradesh

Computer Science & Engineering | 05/2026

- Awarded **ICCR Scholarship**, Government of India

Certificates

JPMorgan Chase Software Engineering Job Simulation – Forage, Runner-up, Smart India Internal Hackathon 2024