

# RANJEET SINGH

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## TECHNICAL SKILLS

**Languages:** JavaScript (ES6+), Python, C++, SQL (PostgreSQL, MySQL), HTML5, CSS3

**Frameworks &**

**Libraries:** React.js, Next.js, React Native, Node.js (Express), Django, Tailwind CSS

**Tools & Technologies:** Git, Docker, Jira, Jest, WebSockets, Redis, CI/CD, Google Play Console, Plesk Obsidian

**Core Competencies:** System Design, Data Structures & Algorithms, RESTful APIs, Database Design, Agile Development

## PROFESSIONAL EXPERIENCE

### Software Developer — Full Stack

*ClearCatNet*

April 2025 – Present

- Led end-to-end development of Learnees EdTech platform, delivering production-ready MVP in 4 months by managing a team of 3 developers and establishing agile workflows using GitHub and Jira.
- Architected a scalable full-stack system with Node.js/Express/PostgreSQL backend, Next.js frontend, and React.js admin panel deployed on Plesk Obsidian, ensuring 99.5% uptime.
- Collaborated with the founder on product strategy and technical architecture, translating business requirements into system blueprints and establishing development best practices.
- Implemented iterative improvements post-MVP launch based on user feedback, managing sprint cycles, and maintaining development velocity while mentoring team members.

### Software Developer — Mobile & Backend

*Shauryats Solutions Pvt. Ltd (Concurrent with B.Tech degree; worked evening/weekend shifts)*

January 2024 – March 2025

- Architected and deployed a full-stack EdTech platform, achieving 100K+ downloads with 7K peak concurrent users and maintaining 1K+ daily active users, reducing system latency by 40% through Redis caching.
- Built a production-grade React.js web application, achieving 90+ Lighthouse performance score through code splitting, lazy loading, and optimized bundle size, improving page load time by 60%.
- Developed cross-platform React Native mobile app from scratch, managing complete CI/CD pipeline with automated builds, testing, and Google Play Console releases, achieving <0.5% crash rate.
- Implemented a real-time proctoring system using facial recognition and WebSocket-based live tests, preventing 95% of potential cheating attempts and ensuring exam integrity.

### Software Developer Intern — Mobile & Backend

*Shauryats Solutions Pvt. Ltd*

September 2023 – December 2023

- Designed a normalized PostgreSQL database schema for exam analytics, improving query performance by 50% and reducing response time for performance reports from 3s to 1.5s.
- Implemented wallet-based coin deduction system and multi-parameter test generation logic using Django REST Framework, handling 500+ daily transactions.
- Built competitive features, including tournament leaderboards, batch management for 100+ concurrent students, and a comprehensive analytics dashboard tracking accuracy, precision, and automated certificate generation.

## EDUCATION

### Bachelor of Technology in Computer Science Engineering

April 2021 – April 2025

Shri Venkateshwara University, Uttar Pradesh

**Relevant Coursework:** Operating Systems, DBMS, Computer Networks, Data Structures & Algorithms, System Design

## ACHIEVEMENTS & CERTIFICATIONS

- Solved 300+ coding problems on the Coding Ninjas platform with a focus on Data Structures, Algorithms, and System Design.
- Coding Ninjas Certified: MERN Stack Development and Advanced Data Structures & Algorithms in C++.
- Successfully delivered 3 production applications from scratch, collectively serving 100K+ users with 99.5%+ uptime.