

# PRANAV GAUR

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## OBJECTIVE

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I'm a final-year Computer Science student at VIT Vellore with hands-on experience in full-stack web development and a solid understanding of DSA and core CS subjects like OS, DBMS, and CN. I'm looking for an opportunity where I can work on real-world projects, keep learning, and grow as a software developer by solving meaningful problems with a supportive team.

## EDUCATION

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<b>Bachelor of Technology in Computer Science and Engineering</b> Vellore Institute of Technology, Vellore	2022 – Present CGPA: 9.27
<b>High School (Science)</b> RamKrishna Academy, Kota	2019 – 2021 Percentage: 94.2

## SKILLS

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<b>Languages &amp; Programming</b>	C/C++, JavaScript, TypeScript, SQL
<b>Web Technologies</b>	HTML, CSS, React.js, TailwindCSS, Express.js, REST APIs, Redux, Socket.io
<b>Databases</b>	MongoDB, MySQL
<b>Tools &amp; Utilities</b>	Git, Postman, AWS (IAM, EC2, S3)
<b>Core Computer Science</b>	DSA, OOP, OS, DBMS, CN

## PROJECTS

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**Local Exchange E-commerce Website.** Built a B2B local marketplace for buying and selling within local areas using MongoDB, Express.js, React.js, Node.js, and WebSockets. Implemented location-based search, real-time notifications, and profile management. Successfully deployed a functional prototype.[\(Live Demo\)](#),[\(Github Repo\)](#)

**Redis Clone (C++).** Engineered a Redis-like in-memory data store from scratch in C++. Implemented core data structures including AVL trees for balanced indexing, ZSETs (sorted sets) for score-based ordering, and hash maps – all built as intrusive data structures for memory efficiency. Designed custom networking and concurrency control.[\(Github Repo\)](#)

**Real-Time Chatting Website.** Developed a real-time messaging app with instant chat, user authentication, and online/offline status tracking using React.js, Node.js, Express.js, WebSocket, and MongoDB. Delivered a robust communication platform supporting seamless, interactive conversations.[\(Github Repo\)](#)

## ACHIEVEMENTS

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- Active participant in competitive programming; solved 550+ problems on LeetCode with a maximum rating of 1733.
- Consistently maintained a CGPA above 9 across all semesters.

## CERTIFICATIONS

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<b>Microsoft Certified: Azure AI Fundamentals</b> Credential ID: xGCw-s4wW	Issued August 10, 2024
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<b>AWS Certified Cloud Practitioner</b> Validation Number: 80a9a270bfdd4bf0ab9409aecacf8aac	Issued June 24, 2025
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