

Vaibhav Arora

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Professional Summary

Backend engineer skilled in **Redis**, **RabbitMQ**, **AI systems**, and **API development**, focused on building **scalable**, **reliable backend solutions** with experience in **responsive frontend development**.

Education

Maharaja Agrasen Institute Of Technology,
B.Tech in Information Technology (Expected 2026)
• CGPA: 8.123/10.0 (Transcript)

Delhi
Nov 2022 – Present

Experience

Full Stack Developer Intern, Cehpoint July 2025 – August 2025

- Developed a stock-focused webinar application with HTML, CSS, and JavaScript for the frontend and Node.js for backend functionality.
- Created and deployed an admin dashboard using React and Firebase (Authentication, Firestore) for managing employees, clients, and admins.
- Integrated RESTful APIs and implemented responsive, cross-device UI for improved user experience.

Java Developer Intern, TrueChip June 2025 – July 2025

- Designed and implemented a JavaFX-based desktop application with MySQL database integration, following the OOP principles.
- The Java SE 8 features, such as stream, lambda expressions, and functional programming, were leveraged for clean, maintainable code.

Projects

JobPilot GitHub

- Built an **AI-powered job recommendation platform** using the **PERN stack (PostgreSQL, Express, React, Node.js)** and **ShadCN UI**, integrating **Google Gemini AI** and **Pinecone** for semantic, vector-based job matching.
- Achieved a **70% reduction in API latency** with **Redis caching** and executed a **microservices architecture** leveraging **RabbitMQ** for asynchronous email and notification handling.
- Developed a **scalable full-stack system** with **JWT-based authentication**, **real-time job recommendations**, and an **admin dashboard** for efficient job and user management.

ChatPulse GitHub

- Built a **real-time chat application** supporting group and private messaging using **React, Node.js**, and **Socket.IO**.
- Secured user sessions with **JWT-based authentication** and role-based access control.
- Improved message delivery speed by **10%** through optimized **WebSocket event handling** and server load management.

Skills

Languages: JavaScript, TypeScript, Java, Python, SQL

Frameworks & Libraries: React.js, Express.js, Node.js, ShadCN UI, Tailwind CSS, Socket.IO

Databases & Cloud: PostgreSQL, MongoDB, MySQL, Redis, Pinecone, Firebase, AWS, Vercel, Render

Tools & Technologies: RabbitMQ, RESTful APIs, JWT Authentication, Gemini AI, Git, Docker

Key Skills: Full-Stack Development, Scalable Architecture, Performance Optimization, Real-Time Systems, Agile Development

Soft Skills: Problem Solving, Communication, Team Collaboration, Adaptability, Time Management, Critical Thinking