Ayush Rai

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PROFESSIONAL SUMMARY

Computer Science undergraduate skilled in full-stack development (React, TypeScript, Node.js, Spring Boot, PostgreSQL) and Java-based DSA. Experienced in deploying scalable systems using Docker, NGINX, and AWS/GCP. Led cross-functional teams as a founding engineer; familiar with DevOps, automated testing, and cloud-native tools.

EDUCATION

United College of Engineering and Research Prayagraj, Naini
B.Tech in Computer Science • *CGPA: 8.35* *2022 – 2026*

EXPERIENCE

Software Engineering Intern (Founding Engineer) BangHome (banghome.in)
Bengaluru, India *Nov 2024 – Present*
- Built and deployed a rental platform using Next.js, TypeScript, Node.js, Docker, and NGINX on AWS EC2; handled 100K+ monthly requests.
- Led full-stack teams and set up CI/CD pipelines with GitHub Actions for seamless deployments.
- Migrated MongoDB to PostgreSQL for scalable data handling; automated processing of 2K–3K records daily.
- Boosted Lighthouse scores from **45–47 to 83–88**; integrated monitoring to reduce downtime by 30%.

PROJECTS

AI Career Guide | Next.js, Prisma, Neon, Gemini API ↗ Feb 2024 – Present
- Built an AI-driven career assistant with resume parsing, mock interviews, and job prep using Gemini API; deployed on Vercel with PostgreSQL (Neon).

ShopEasy ↗ **& DataManage** ↗ | React, Node.js, MongoDB Apr 2023 – Present
- Developed inventory and product tracking tools with order workflows, serial ID scanning, and image-based retrieval using modular backend services.

Chat Application (BatCheet) | React, Node.js, Socket.IO, MongoDB ↗ Feb 2025 – Present
- Built a real-time chat app with JWT auth, avatar support, and live WebSocket messaging; structured REST APIs and integrated persistent storage.

Grievance Cell & Waste to Wealth | MERN Stack Jan 2023 – Present
- Created platforms for complaint resolution and waste-to-resource mapping with location APIs, dashboards, and scalable MongoDB-based storage.

TECHNICAL SKILLS

Languages: Java, Python, C, SQL, JavaScript, HTML/CSS
Frameworks: React, Next.js, Node.js, Spring Boot, Material-UI
Developer Tools: Git, Docker, Jenkins, GitHub Actions, GCP Console, VS Code, IntelliJ
Libraries: pandas, NumPy, Matplotlib, React, Express.js, Redux, Tailwind CSS
APIs: Gemini API, News API, OpenStreetMap API, OpenAI API, Rapid API
Databases: MongoDB, MySQL, PostgreSQL, Supabase, Neon, Prisma
Algorithmics: Data Structures and Algorithms, Problem Solving

CERTIFICATIONS

Introduction to Generative AI — Google ↗
Responsive Web Design — freeCodeCamp ↗
Java DSA Certification — Scaler ↗
Android App Development — Technophilia (IIT Kharagpur) ↗
Quora System Design — Scaler ↗

ACHIEVEMENTS & EXTRA-CURRICULAR

Paid Software Engineer intern with strong skills in Web Dev, Android, and DSA.

First engineer at BangHome, contributing as a core founding member.

Solved 500+ DSA problems through competitive programming.

Finalist in national contests: Flipkart Grid, SIH, Tata Imagination, UHack, Tata Crucible, L'Oréal Challenge.