Vanshit Ahuja

Gurugram, India | +918950851680 | vanshit.ahuja.23cse@bmu.edu.in

GitHub | Portfolio | LinkedIn

Professional Summary

Software Engineer focused on building full-stack systems, AI-driven applications, and containerized platforms. Strong in scalable backend design, CI/CD automation, and production-grade reliability.

Key Skills:

Languages: Python, Java, C++, JavaScript, TypeScript

Frontend: React, Tailwind

Backend: Node.js, Express, FastAPI

Databases: PostgreSQL, MySQL, MongoDB

DevOps/Cloud: Docker, CI/CD, Google Cloud, SRE Practices

AI/ML: Optimization, ML Inference, Explainability

Tools: Git, REST APIs, Agile/Scrum

Experience

Bluestock™　　　　　　　　　　　　　　　　　　　　　　May 2025 – Jul 2025 | Remote

SDE Intern → TeamLead

• Developed and optimized core backend services, improving request throughput by 30%. Promoted to team lead, managed an 8-member engineering team, conducting code reviews, and ensuring timely delivery. Automated deployment pipelines and enhanced CI/CD workflows, reducing release time by 20%.

Signity Software Solutions Pvt. Ltd.　　　　　　　　　　Dec 2024 – Jan 2025 | Remote

Web Developer Intern

• Designed and built responsive React.js UI components with TypeScript, improving page load speed by 15%.

• Integrated frontend with secure backend APIs and wrote modular, testable code for long-term maintainability.

Signity Software Solutions Pvt. Ltd.　　　　　　　　　　Jun 2024 – Jul 2024 | Remote

Internship Trainee

• Completed focused training in HTML, CSS, JavaScript; delivered responsive prototypes.

Projects

Vibe | Full-Stack Social Media Platform:

Built a production-grade social platform with 6+ content types, real-time interactions, RBAC, and cursor-based infinite scrolling, reducing feed query overhead by ~40% across 1000s of reads/session.

Travel Itinerary AI Engine | Backend Systems:

Designed a hybrid AI planning engine (fuzzy logic, CSP, A*) producing 100% constraint-safe, deterministic itineraries optimized for cost, time, and user preferences.

FaultLine | DevOps & Reliability Platform:

Built a containerized resilience-testing platform with automated CI/CD, failure injection (3 fault classes), and recovery tracking using MTTR and health stability metrics.

AI-Powered Glaucoma Detection | ML System

Developed an end-to-end deep learning system for 4-class glaucoma detection, serving <300ms inference APIs with Dockerized FastAPI backend and Grad-CAM explainability.

Achievements & Certifications

Research:

- SEO optimization algorithm for improved keyword clustering and ranking efficiency.
- In-situ redevelopment research for slums in Gurugram (urban planning & housing policy).

Certifications (2025):

- Google Cloud – Professional Cloud Certification
- Site Reliability Engineering (SRE) • Cloud Infrastructure • Design & Operations
- IBM – Professional DevOps Certification
- DevOps Practices • Agile & Scrum • Cloud & CI/CD Foundations

Education

B.Tech in Computer Science　　　　　　　　　BML Munjal University, Gurugram, India (2023 – 2027), CGPA: 8.0