

Abhinav Singh

2A/12 Sidhali Vihar, Najibabad, Bijnor, 276763, UP, India

+91 79062 15089 | singhabhinav0923@gmail.com

[LinkedIn](#) | [Portfolio](#) | [Leetcode](#)

Summary

Full stack developer specialized expertise in bridging the gap between application development and operations. Proficient in architecting scalable REST APIs using Django and integrating advanced AI features like RAG and LLMs. Skilled in managing the full software lifecycle from coding to Deployment.

Education

Bachelor of Technology (B. Tech) in Electronics and Communication Engineering (ECE) 2021-2025
Govind Ballabh Pant University of Agriculture and Technology, Pantnagar, Uttarakhand **CGPA: 6.11/10**

Skills

Programming Languages: C++ (Proficient), Python (Proficient)

Frameworks: Django, Django REST Framework, Expo, React Native, Nextjs

Databases: PostgreSQL, MongoDB, Redis

Technologies: AWS, Docker, Kubernetes, Jenkins, ArgoCD, Linux, Git, Gitlab, PLG Stack

Projects

- **Smart Image Finder Project** | [Github](#)

Technologies: Python, Langchain, CustomTkinter, Google Gemini, Vector Store, ChromaDB

Developed a specialized desktop tool for semantic image search, leveraging **Google Gemini 2.5 Flash** to interpret scenes and **ChromaDB** for vector-based retrieval, enabling natural language queries.

Built a high-performance indexing engine with **Watchdog** for real-time file monitoring and **hashing** for deduplication, ensuring efficient management of local image repositories.

Designed a responsive, multi-threaded UI with asynchronous loading and EXIF metadata extraction, providing a seamless experience for browsing and retrieving images by description or text.

- **AI-Powered Resume Screening Application** | [GitHub](#)

Technologies: Python, Streamlit, Google Gemini, Docker, Kubernetes, Jenkins, Trivy, OWASP Dependency Check, SonarQube, Helm, Prometheus, Loki, Grafana

Developed a full-stack AI application to automate resume screening by evaluating candidate fit against job descriptions. Designed a multi-stage LLM pipeline using LangChain & LangGraph for data extraction, JD matching, and scoring (0–100%) with Google Gemini. Automated CI/CD pipelines using Jenkins, integrating security scans for robust deployments and GitOps. Engineered scalable Kubernetes infrastructure with Docker, deploying Prometheus, Loki, and Grafana for monitoring.

- **3D Interactive Portfolio Website** | [Live Demo](#)

Technologies: Next.js, React, Three.js, Framer Motion, Supabase, Vercel

Developed a high-performance, immersive portfolio website featuring interactive 3D elements using Three.js to showcase technical skills and projects in a visually engaging manner.

Architected a scalable and maintainable codebase using Next.js 14 app directory, leveraging Server Components and Client Components for optimal performance and SEO.

Integrated Supabase as a backend-as-a-service to manage dynamic project data and blog posts, enabling real-time content updates and reducing maintenance overhead. Implemented advanced animations and transitions with Framer Motion, ensuring a smooth and responsive user experience across all devices.

Achievements

Linux Foundation Certified IT Associate: Mastered Linux system administration, enabling efficient server management. ([Certificate](#))

Goldman Sachs Software Engineering Virtual Experience: Developed optimized code solutions for real-world scenarios