

Krish Rathi

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EDUCATION

BML Munjal University

B.Tech in Computer Science | Coursework: DSA, OS, DBMS, Machine Learning, Computer Networks

Gurgaon, Haryana

2023 – 2027

EXPERIENCE

Chatbot Developer Intern

RANNLAB Technologies

Jun 2025 – Nov 2025

On-site

- Designed a **scalable AI-driven educational chatbot** using **LLM fine-tuning and RAG pipelines**, reducing manual support load by **70%** via automated intent classification and response orchestration.
- Built a **facial recognition identity verification pipeline** with **AWS Rekognition**, achieving **98.87% accuracy** and securing access for 1,000+ daily users via real-time session management.
- Developed a **serverless AWS Lambda media preprocessing pipeline** with event-driven triggers, improving throughput by **30%**; created WCAG-compliant **modular React UI components** for cross-platform consistency.

PROJECTS

StockVision – AI Stock Intelligence Platform | *Next.js, Gemini AI, TypeScript, REST APIs* | [Live](#)

- Built a **production-grade stock analytics platform** with **Gemini AI** for natural language insights, real-time price feeds, and financial news aggregation; implemented **semantic search** enabling conversational market queries with contextually ranked results.
- Engineered an **SSR-optimized frontend** with **Next.js App Router**, code splitting, lazy loading, and edge caching for high Lighthouse scores; designed **RESTful API integrations** across multiple financial data providers.
- Implemented **user portfolio tracking** with watchlist management, personalized alerts, and historical performance visualization using **interactive charts**; optimized API call efficiency with **request batching and debouncing** to stay within rate limits.

KishanBhai – Agricultural Intelligence Platform | *Next.js, Genkit, Firebase, Gemini AI* | [Live](#)

- Architected a **multilingual (5+ languages) offline-first PWA** with **10+ AI features** – crop disease detection via **Gemini multimodal vision**, conversational assistance, and market analytics across 100+ commodities.
- Built a **serverless backend** on **Firebase + Genkit AI** with autoscaling, low-latency inference, and Firestore sync for live market pricing.
- Integrated **government agricultural APIs** (mandi prices, weather forecasts, soil health data) with intelligent caching, enabling farmers to make data-driven decisions **without reliable internet connectivity** via PWA offline storage.

Agentic AI Browser – Intelligent Search & Automation | *Next.js, TypeScript, LLMs, Agentic AI*

- Engineered an **LLM-powered agentic browser** with autonomous multi-step task execution, semantic web search, summarization, and workflow automation via **tool-use and chain-of-thought prompting**; achieved **zero-GPU execution** through browser-side orchestration.

TECHNICAL SKILLS

Languages: Python, Java, C, C++, SQL, JavaScript, TypeScript, HTML, CSS

Frameworks & Web: React, Next.js, Node.js, REST APIs, GraphQL, PWA, SSR/SSG

AI/ML: LLM Fine-tuning, RAG, Prompt Engineering, Gemini API, Vertex AI, Genkit, TensorFlow, OpenCV, n8n

Cloud & DevOps: AWS (Lambda, Rekognition, S3), Firebase (Firestore, Auth, Hosting), Docker, Linux, Nginx, Git

CERTIFICATIONS & ACHIEVEMENTS

Google Cloud: Generative AI Fundamentals | Introduction to Large Language Models | Responsible AI – *Google Cloud Skills Boost*

Hackathons: IIT Ropar Winner (2025) – 3× wins and 6× national-level finalist in AI/ML & Full Stack tracks

DSA: 280+ problems solved on LeetCode & Codeforces – dynamic programming, graphs, trees, system design