

# Krishna Rohilla

Delhi, India | +91 9582131172 | rohillakrish2@gmail.com | LinkedIn: krishna-rohilla | GitHub: krishh-9085 | Portfolio:  
<https://krishnarohilla.me>

## SUMMARY

**Full Stack Developer** with expertise in building scalable web applications using **MERN** and **Next.js**. Proficient across the entire **SDLC**, delivering high-performance **RESTful APIs**, optimized databases, and responsive frontends. Strong focus on solving complex technical challenges through maintainable code and advanced **AI integration**.

## EDUCATION

**Vivekananda Institute of Professional Studies - Technical Campus** **2022 – 2026**  
*B.Tech. in Artificial Intelligence and Machine Learning* *CGPA: 8.3*

## TECHNICAL SKILLS

**Languages:** Python (85%+ Text-to-SQL accuracy), JavaScript, TypeScript, SQL, Java, C++  
**Frameworks:** Next.js/React.js (-35% load time), FastAPI, Node.js, Express.js, Tailwind CSS  
**AI & ML:** LLMs, Gemini, Ollama (98% parsing success), NLP, TensorFlow, PyTorch  
**Databases & Tools:** MongoDB, SQLite (GridFS ingestion), Supabase, Firebase, Docker, Git  
**Core Concepts:** System Design (ReAct Agents), DSA, OOP, DBMS, SDLC

## PROJECTS

- Text2SQL Studio** | *React, FastAPI, Python, SQLite, MongoDB, LLMs* **Apr 2026**
- Architected a multi-provider AI engine (GPT-4, Ollama) that translates natural language to SQL with **85%+ query accuracy** using a **ReAct agent pattern** and automated self-correction loops to resolve execution errors in real-time.
  - Engineered a secure full-stack platform implementing **3-layer read-only validation** and per-user data isolation via **Firestore Auth**, supporting dynamic ingestion and storage of up to **25MB SQLite/CSV files** using **MongoDB GridFS**.
- GadgetGenie – AI Shopping Bot** | *Next.js 15, Express.js, Gemini AI, Node.js, Tailwind CSS* **Nov 2025**
- Architected a full-stack AI assistant using Next.js 15 and Express.js, integrating Google Gemini AI to process complex natural language queries with **95% accuracy** for personalized gadget recommendations.
  - Optimized web performance using Server-Side Rendering (SSR) and GSAP animations, reducing initial page load times by **35%** and achieving a **90+ Lighthouse performance score** across mobile and desktop devices.
- AI Resume Analyzer** | *React Router v7, TypeScript, Supabase, Ollama, AI/LLM* **Jul 2025**
- Engineered an AI-driven analyzer using **Ollama** and **Supabase**, automating ATS scoring with a **98% JSON parsing success rate** via an optimized multi-attempt prompt strategy for structured feedback.
  - Architected a type-safe full-stack application with **TypeScript**, integrating real-time PDF parsing and a heuristic engine that evaluates **6+ rubric categories** to provide instant, data-driven improvement suggestions.

## EXPERIENCE

- Banao Technologies** **May 2025 – Oct 2025**  
*iOS App Tester (Intern)*
- Executed 500+ manual and automated QA test cases across the Software Development Life Cycle (SDLC), successfully reducing post-release bugs by **40%**.
  - Collaborated with cross-functional software engineering teams to track and document **150+ critical defects**, ensuring a **99.9% crash-free rate** for production builds.
- AccioJob Training Program** **Jul 2024 – Aug 2024**  
*Full Stack and DSA Trainee*
- Architected and deployed 3 scalable full-stack web applications using the MERN stack (MongoDB, Express.js, React, Node.js) with modular RESTful APIs.
  - Mastered full-stack system architecture and Data Structures & Algorithms (DSA), solving **70+ complex problems** to rank in the top **10%** of the engineering cohort.

## ACHIEVEMENTS & PUBLICATIONS

- Research Publication & Presentation – AIST 2024** **Nov 2024**  
*6th International Conference on AI & Speech Technology*
- Authored and presented "**Speech Corpus: The Review**", a research paper analyzing advancements in **Natural Language Processing (NLP)** and AI-driven speech models; officially published by **Springer** (DOI: 10.1007/978-3-031-91331-0\_6).