

Krish D Shah

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EDUCATION

SRM Institute of Science and Technology - Chennai, India

Bachelor of Technology, Computer Science Engineering (AI&ML) : **9.81/10**

Birla High School - C.B.S.E. Affiliated

Class X: **95.2%** | Class XII: **94.4%**

SKILLS

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

Technologies: React (TypeScript), FastAPI, Supabase, TensorFlow, PyTorch, LangChain, RAG, LLM Applications, Streamlit

Concepts: Data Structures & Algorithms, OOPS, DBMS, Operating Systems, Algebra, Calculus, Probability and Statistics

Tools: AWS, Render, Git, Firebase, GCP, GitHub, Vercel, Postman

EXPERIENCE

Research Intern | SRM University (UROP)

Sep. 2025 – Present

- Conducted literature review of 30+ research papers on EEG-based early Alzheimer's detection.
- Designed and developed machine learning pipelines for identifying Alzheimer's-related patterns from EEG signals.

Business Analyst | Medgency (Health-Tech Startup)

Dec. 2025 – Mar. 2026

- Worked with **6+ cross-functional teams** to translate business requirements into structured user stories and process flows used by product and engineering teams.
- Worked on an OCR based medical prescription system for automated medicine fetching and display.
- Identified workflow inefficiencies and supported product decisions through requirement analysis and documentation

PERSONAL PROJECTS

A.V.A. - RAG based Conversational Agent / [Link](#)

Python, Streamlit, FastAPI, RAG, LangChain, AWS

- Designed and deployed a Retrieval-Augmented Generation (RAG) pipeline with automated offline document ingestion.
- Optimized retrieval and inference workflows, reducing response latency to approximately 6 seconds while significantly improving answer relevance.

Velocity AI - Voice Based autonomous Project Management System (Freelance Project)

TypeScript(React), Python, GCP, FastAPI

- Developed and integrated a voice-enabled AI agent with predominantly local processing to minimize cloud dependency and improve privacy.

JanRakshak - AI-Powered one-stop flood prediction and resilience System / [Link](#)

TypeScript, Python, FastAPI, PostGRE SQL, Firebase, Next, Yolo

- Built a full-stack AI platform for flood resilience featuring pre-flood risk prediction and post-flood damage assessment.
- Implemented Random Forest-based flood prediction models with SMOTE for class balancing.

ACHIEVEMENTS

- 1st Position: NASA SAC (Chennai Region) and Global Nominee
- Top 45 internal shortlisting teams: SIH'25
- 1st position: HackTrix '25 (Techvantage.ai and R.E.A.C.H.)
- 2nd Position: Innovatex' 25 (ACM SIGAI, SRM)

Additional Achievements: 2nd Place - Entrepreneurship 101, 3rd Place - Beyond Hack'25, 3rd Place - Ideathon 2.0, CBSE National Science Exhibition Representative, Mr. Courteous '24 (Birla High School)

CERTIFICATIONS

- Oracle Cloud Infrastructure 2025 Generative AI Certification
- Microsoft Introduction to Artificial Intelligence Certificate
- Postman API Fundamentals Student Expert
- McKinsey Forward Learner
- IIT Madras BS Degree Foundation