

# KRISHNA ROHILLA

📞 (+91) 9582131172 ✉️ [rohilla.krish2@gmail.com](mailto:rohilla.krish2@gmail.com) [in](https://www.linkedin.com/in/krishna-rohilla) [krishna-rohilla](https://www.linkedin.com/in/krishna-rohilla) [GitHub](https://github.com/Krishh-9085) [Krishh-9085](https://github.com/Krishh-9085)

## Education

**Vivekananda Institute of Professional Studies - Technical Campus**

**2022-2026**

*B.Tech. in Artificial Intelligence and Machine Learning*

*CGPA - 8*

## Experience

**AccioJob Training Program**

**Jul-Aug. 2024**

*Trainee*

- Completed a 4-week industry training focused on **Data Structures & Algorithms** and full-stack development using the **MERN Stack** (MongoDB, Express.js, React, Node.js).
- Solved numerous DSA problems and built responsive web applications as part of hands-on training.
- Strengthened problem-solving skills and full-stack development workflow through real-world coding tasks and mock interviews.

## Projects

**AI Resume Analyzer** 🤖 | *TypeScript, React, Puter.js, PDF Processing*

**July 2025**

- Engineered a full-stack platform to analyze PDF resumes, improving candidate evaluation by providing an ATS score and actionable feedback with over **90% accuracy** in keyword matching.
- Architected a scalable backend on **Puter.js**, utilizing its native file storage (fs) and key-value (kv) database to efficiently manage user data and session persistence.
- Optimized resume analysis by implementing client-side PDF parsing with **pdfjs-dist**, reducing server load and achieving a **50% faster** content extraction time.
- Developed a dynamic frontend with **React** and **Tailwind CSS**, featuring a component-based architecture for seamless file uploads and interactive data visualization of analysis results.

**InfoBuddy Chatbot** 🤖 | *Python, Streamlit, LLaMA, RAG*

**Nov. 2024**

- Developed an AI-powered chatbot that automated responses to over **1,000+ common student queries**, reducing manual support workload by an estimated **40%**.
- Engineered a **Retrieval-Augmented Generation (RAG)** pipeline with **LLaMA** to ensure high-fidelity, context-aware responses by querying a vectorized knowledge base of university documents.
- Constructed an accessible web interface using **Streamlit**, incorporating voice-to-text functionality to improve user engagement and cross-device usability.
- Spearheaded backend development and model integration within a 3-person agile team, ensuring successful deployment ahead of schedule.

**Virtual Writing Board** 🤖 | *Python, OpenCV, MediaPipe*

**Mar. 2025**

- Developed a real-time virtual writing board using **Python** and **OpenCV**, processing webcam streams at **30 FPS** to translate hand gestures into digital drawings.
- Implemented high-precision hand tracking with **MediaPipe**, designing custom gesture recognition logic to differentiate between writing, erasing, and navigation commands.
- Engineered a touch-free user interface that eliminates the need for physical hardware, increasing accessibility for presentations and remote collaboration.

## Technical Skills

Languages:	Python, Java, JavaScript, Dart, C, SQL, HTML/CSS
Frameworks:	React, Flutter, FastAPI, TensorFlow, PyTorch, Scikit-learn
Libraries:	Pandas, NumPy, Matplotlib, OpenCV, NLTK, SpaCy, Transformers
Developer Tools & Platforms:	Git, Firebase, Figma, Streamlit, Arduino, ESP32, SQLite

## Extracurricular

**Paper Presentation – AIST 2024**

**Nov. 2024**

*Krishna Rohilla*

*6th International Conference on AI & Speech Technology*

- Presented the paper **"Speech Corpus: The Review"** at the 6th International Conference on AI & Speech Technology (AIST-2024).
- Showcased insights on speech datasets, their structure, linguistic diversity, and relevance in modern AI applications.
- DOI: 10.1007/978-3-031-91331-0\_6 (Published: 30 May 2025)