

Krishna Rohilla

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EDUCATION

Year	Degree/Exam	Institute
2026	B.TECH in AI/ML	Vivekananda institute of professional studies
2022	CBSE	Kendriya Vidyalaya No.1 delhi cantonment
2020	CBSE	Kendriya Vidyalaya No.1 delhi cantonment

PROJECTS

- **English Subtitling System** (Mar, 2023): Developed an automated subtitling system using OpenAI's Whisper model to accurately transcribe English audio/video content into text, enabling real-time or post-processing subtitle generation.
- **Plant Disease Recognition** (october, 2024): Developed a deep learning model for automated detection and classification of plant diseases using leaf images. Leveraged CNN architecture to train on a dataset of healthy and diseased leaves, supporting early disease detection for timely intervention and promoting sustainable agriculture practices.
- **InfoBuddy Chatbot** (november, 2024): Developed an AI-powered chatbot using LLaMA AI and Streamlit to assist students with GGSIU-related queries, including admissions, fee structures, and academic information. Integrated voice input support for enhanced user interaction and implemented structured data retrieval for accurate responses.
- **Virtual Writing Board** (March, 2025): Developed a computer vision-based virtual writing board using OpenCV and MediaPipe. Enabled writing by detecting thumb and index finger contact and implemented an erasing mechanism with an open-hand gesture. Designed for an intuitive, touch-free interaction using a webcam.

TECHNICAL SKILLS

- **Programming Languages:** Python, C, C++, Java, JavaScript, HTML, SQL.
- **Frameworks & Libraries:** ReactJS, Streamlit, Flutter, Dart, OpenCV, MediaPipe.
- **Machine Learning & AI:** TensorFlow, Keras, scikit-learn, LangChain.
- **Databases:** MySQL, MongoDB.
- **APIs & Web Services:** REST APIs, OpenAI API, Firebase.
- **Developer Tools:** Git, Conda, VS Code.
- **Software Development:** Object-Oriented Programming (OOP) Fundamentals.

SOFT SKILLS

- **Effective Communication** – Ability to convey ideas clearly in both verbal and written formats.
- **Team Collaboration** – Experience working in diverse teams to achieve project goals.
- **Problem-Solving** – Strong analytical thinking and decision-making skills.
- **Adaptability** – Quick learner, capable of handling new challenges efficiently.

ACHIEVEMENTS

- **Smart Delhi Ideathon 2025:** Secured a position in the **2nd Round (Physical Round)** as part of **Team Technocrats** at **Guru Gobind Singh Indraprastha University (GGSIPU)** on **January 31, 2025**, competing in an innovative problem-solving challenge.
- **Paper Presentation – AIST 2024:** Presented the paper ***"Speech Corpus: The Review"*** at the **6th International Conference on AI & Speech Technology (AIST-2024)** on **November 14, 2024**, highlighting advancements in speech datasets and emotion recognition.

- **Problem Solving:** Solved over **100+** coding problems on platforms like **LeetCode, GeeksforGeeks, and VS Code**, improving algorithmic and data structure proficiency.

HOBBIES

- Playing Guitar and Singing – Passionate about music, enjoy performing and exploring different genres.
- Sketching – Creative expression through pencil and digital art, focusing on portraits and landscapes.
- Fitness – Regular gym-goer, dedicated to maintaining an active and healthy lifestyle.