

Gowni Kranthi Kumar

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[kranthi-kumar-58a1141a1/](#)

Technical Skills

Languages: Python, SQL

Machine Learning Libraries: Scikit-learn & Keras, TensorFlow, Pandas & Numpy, Matplotlib, NLTK

Analytical & Mathematical Skills: Higher Mathematics, Numerical & Complex Analysis, Discrete Mathematics

Technical Tools: PostgreSQL, Power BI, Excel, Apache Spark, Apache Kafka, Apache Airflow, Docker, Kubernetes

Soft Skills: Leadership, Problem-Solving Skills, Team Player, Communication, Project Management, Adaptability

Internship

Intern (Remote)

JUL 2023 - FEB 2024

Cipher Schools, DELHI

Practical Experience in Machine Learning and AI During my internship, I gained hands-on experience working on an image classification project using Support Vector Machines (SVM). This project enhanced my skills in building and deploying machine learning models in Python with libraries like Numpy, Pandas, Matplotlib, and Seaborn.

Technical Skill Development: In this project, I deepened my understanding of data preprocessing, feature engineering, and model evaluation in machine learning. I also honed my skills in data visualization, enabling me to effectively communicate insights and model performance.

Projects

Sign Language Yielding Realtime Intelligent Classifier | Python, Numpy, Pandas, Matplotlib, Seaborn

JAN 2024

- Developed a classifier that accurately identifies hand gestures and translates them into real-time outputs, enhancing communication for sign language users.
- Implemented a system capable of recognizing and processing gestures with past tense context, ensuring grammatically correct translations for smoother interaction.

Convolution Image Recognition Chatbot (CIRC) | Python, SigLIP, LLaMA 3, Transformer

March 2025

- Built a multimodal chatbot that integrates image recognition and conversational AI by combining SigLIP for visual understanding with LLaMA 3 for natural language generation.
- Engineered a 1B parameter model pipeline capable of interpreting images and generating context-aware responses, enabling real-time, intelligent human-AI interaction.

EchoSentinel – Voice-Activated Surveillance System | Python, SpeechRecognition, Pyaudio, Numpy

JAN 2025

- Designed a real-time **audio monitoring system** that activates when specific *trigger words* (e.g., “gun”, “bomb”) are detected, as predefined by the client.
- Utilized **speech recognition APIs** and **natural language triggers** to listen continuously in the background and initiate a 60-second audio capture upon activation.
- Integrated **noise filtering** and **voice segmentation** to improve accuracy and reduce false positives in dynamic environments.
- Built with flexibility in mind: the system allows easy customization of trigger words and recording duration based on security needs.

Certificates

Summer Training in Machine Learning | Cipher Schools

Jul '24

Receiving a completion certificate signifies my active involvement and commitment in the Programme.

Building Chatbot | Cognitive AI

Oct '23

Receiving a certification from both Cognitive.AI and IBM for building a chatbot using IBM Watson Service.

Education

Lovely Professional University Punjab

Master in Computer Application hons. AI&ML –CGPA: 8.0

Shree Medha Degree College

Bachelor in Business Administration— CGPA: 7 . 3 9

Sri Chaitanya Junior College

Maths,Physics,Chemistry(MPC)

2023 – Present

Jalandhar, Punjab

2019 - 2022

Bellary, Karnataka

2017 – 2019

Kurnool, Andhra Pradesh