

# Rohit Kumar

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Meerut, India

## Profile

Aspiring Machine Learning Engineer with hands-on experience in developing data pipelines, building machine learning models, and implementing LLM-based NLP solutions. Proficient in optimizing model performance and deploying models using MLOps frameworks. Passionate about leveraging data-driven techniques to solve complex problems and eager to contribute to innovative projects as a ML/AI Engineer.

## Education

- **Graduation | B. Tech (CSE) | 2020 – 2024**  
Dr. APJ ABDUL KALAM TECHNICAL UNIVERSITY | CGPA: 7.3
- **Higher Secondary | 2018-2019**  
Vardhman Academy | CGPA: 8.0

## Skills

- **Programming Languages:** Python (Advanced), SQL
- **Machine Learning Frameworks:** Keras, PyTorch, Flask, FastApi
- **Artificial Intelligence:** Machine Learning, Deep Learning, Natural Language Processing (NLP), Langchain, Vector DB,
- **Data Science Techniques:** Data Cleaning, Data Analysis, Data Modeling, Statistics, RAG, NER
- **MLOps & DevOps:** CI/CD Pipelines, Model Deployment, MLOps
- **Tools & Platforms:** Git, Linux, AWS (SageMaker, Lambda), Hugging Face, GCP

## Experience (1 Year +)

### AI/ML Engineer | Frisson Devhub

Noida, India | Nov 2023 - Current

- Developed and maintained data pipelines to clean, process, and analyze data.
- Designed and implemented machine learning models using TensorFlow and PyTorch.
- Utilized CI/CD pipelines and MLOps techniques to automate model deployments.
- Implement RAG in GenAI solution like chatbot using Langchain, LangGraph, Vector DB, LLM's

## Projects

### CallMatic AI

- Integrated **natural language processing** capabilities for managing conversation flow in an automated survey platform.
- Leveraged **Twiml** to make calls and execute scripts.
- Integrated as a Flask app with the frontend.

### AI Text Detection

- **Built and fine-tuned LLM base models** to differentiate between AI-generated and human-written text.
- Deployed models using **AWS SageMaker, Lambda**, and other services.

### Fraud Detection

- Perform EDA and Data Preparation
- Evaluate the performance of different ML algorithms using **ROC AUC** curve
- Deploy the model over **aws**

### Business Email Generator

- Utilizes **Langchain, Python, Groq and Chroma (Vector DB), Llm's (llama\_3.1\_70B)**
- Scrape the Job posting through URL in runtime and convert the whole job details into **vectorstore**
- **Knowledgebase** contains information about skills and portfolio
- If skills match then based on portfolio model will create an email by just taking the job URL as an input.

## COURSE WORK

### BIG DATA ENGINEERING

CDAC (NASSCOM) | Nov 2022 – March 2023

### DATA ANALYTICS

ICT ACADAEMY | June 2023 – August 2023

### FULL STACK DATA SCIENCE

PW SKILLS | Sept 2023 – Sept2024