

# Sheikh Shakeel Qureshi

AI/ML Engineer - Data Analyst

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## SUMMARY

I am a **AI/ML Engineer** with an **MCA from LNCT University**, specializing in **Machine Learning Model and data analytics**. Proficient in **Python, SQL, and R**, I have hands-on experience in **AI/ML model development, predictive modeling, and data visualization**. Passionate about leveraging **data-driven insights** to build **scalable AI solutions**, I aim to contribute my expertise to innovative, impact-driven projects.

## EXPERIENCE

### AI/ML Engineer, SyncWave Corporation, India (Remote)

Sep 2025 — Present

Actively monitored and analyzed four production machine learning models using the Arize observability platform. I diagnosed critical data pipeline failures and identified model weaknesses by pinpointing underperforming data segments

### AI/ML Engineer, AffyCloud Solutions, Bhopal, India

2024 — 2025

My role includes building LLM-based agents for automation, fine-tuning models, and optimizing performance across real-world use cases in business automation, analytics, and intelligent communication.

### Data Analyst, Elevate Labs, Remote, India

- Used SQL, Python Library & Power BI for Analysis Data, Data Visualization and Data clean.
- Worked on a Machine Learning project For Airbnb Price Prediction.

## EDUCATION

**Lnct University, . - MCA, AI-ML - (GPA: 8.1)**

Jul 2023 — Jun 2025

**Govt. Gyanchandra Shrivastav PG College, Institute of MCBU, . - BSc, PCM - (GPA: 6.1)**

Jul 2019 — Jun 2022

**Nav Jagriti H. S. School, . - 12th, Mathematics - (GPA: 7.3)**

Jul 2018 — Jun 2019

**Nav Jagriti H. S. School - 10th, PCM - (GPA: 6.9)**

Jul 2016 — May 2017

## CERTIFICATIONS

[Data Analysis using Python](#), Samatrix Consulting Pvt Ltd

[Deep Learning](#), Samatrix Consulting Pvt Ltd

## PROJECTS & EXPERIENCE

### AI-Powered Email & Report Automation Agent , AffyCloud Solutions

- Designed and deployed an intelligent email automation agent using CrewAI that interprets natural language instructions to send emails via SMTP.
- The agent supports single and bulk email delivery (CSV-based), AI-generated message composition, report attachments, and dynamic content merging.

### Sequence-Mutation & Structure Analysis

- Developed a **bioinformatics workflow** to compare wild-type and mutant protein sequences using **ColabFold (AlphaFold)** for 3D structure prediction.
- Built a Colab-based bioinformatics tool for mutation analysis combining ColabFold structural prediction, BLAST functional annotation, and interactive 3D visualization to compare wild-type vs mutant protein sequences.

### Real-Time Video Anomaly Detection

- Built an end-to-end **video anomaly detection system** using a pretrained **C3D deep learning model**, supporting feature extraction, sequence prediction, and visualization of anomaly scores for real-world monitoring scenarios.
- Developed a **Flask-based web interface** enabling users to upload videos, run inference, and view anomaly predictions in real-time, integrating preprocessing, model serving, and video analytics into a single pipeline.

### Flower Identification Using Deep Learning, [Link](#)

- Built a deep learning model using TensorFlow to classify 28 flower species and deployed it as a Streamlit web app with support for both image upload and real-time webcam detection using OpenCV.
- Implemented data preprocessing, CNN architecture, and model evaluation; deployed on Hugging Face with UI for interactive predictions.

### Image To Text With API, [Link](#)

- AI-powered image caption generator that takes an image as input and generates a descriptive text using deep learning. Built with Streamlit for an interactive UI
- Hugging Face's BLIP model for state-of-the-art image-to-text conversion, this project makes it easy to extract meaningful insights from images.

### Google Search Trends 2023 - India, [Link](#)

Jun 2023 — Jul 2023

- Analyzed and interpreted Google search data to identify public interest trends in 2023.
- Leveraged R programming for data cleaning, visualization, and statistical analysis.

## **SKILLS**

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<b>Programming Languages</b>	: Python, SQL, R Programming, AWS
<b>Data Manipulation</b>	: Pandas, NumPy, Matplotlib, Data Analytics, Data Visualization
<b>Gen AI</b>	: LangChain, CrewAI, AI Agent, Email Agent, Rag, ChatBot
<b>Libraries/Frameworks</b>	: Scikit-Learn, Seaborn, Keras (Neural Network Library), FastAPI, Streamlit, TensorFlow
<b>Machine Learning</b>	: Supervised Learning, Unsupervised Learning, : Clustering (K-Means, DBScan), Anomaly Detection, Dimensionality Reduction, Recommendation System, Models, Data Analytics, Data Mining, Ethics, Business Growth
<b>Deep Learning</b>	: Multilayer Perceptron, Activation Functions, TensorFlow, Keras, Deep Learning, Models, Neural Networks, CNN, RNN, Image Recognition, Object Detection, Object Tracking, LSTM, Transformers
<b>Data Visualization / Tools</b>	: Power BI, Excel, Highly Skilled, Github
<b>Prompt Engineering</b>	: GPT-3.5, Gemini, Kiro, Midjourney, killing AI, Claude
<b>Interests</b>	: Photography, Video Editing, Videography, UX/UI Designer