

Nithul Das K

AI/ML Engineer

✉ nithulk08@gmail.com ☎ +91-8086435453 🔗 LinkedIn 🐙 GitHub

Aspiring AI/ML Engineer with practical experience in Machine Learning, Deep Learning, and statistical analysis. Skilled in Python, SQL, and data visualisation, with a proven ability to develop predictive models and extract actionable insights from complex datasets.

Experience

Data Science Intern, Luminar Technolab

11/2025 – 06/2026 | Kochi

Tech Stack: Python, SQL, Machine Learning, Deep Learning, Power BI, Generative AI

- Delivered end-to-end AI solutions through projects such as Gesture Language Translation, Fire Detection, Face mask Detection, Number Plate Detection involving Machine Learning, Deep Learning, and Generative AI applications.
- Translated complex datasets into actionable insights to support data-driven decision-making and business problem-solving.
- Performed data analysis, visualisation, and dashboard creation using SQL and Power BI.
- Built and evaluated predictive models using Python-based ML/DL frameworks.

AI/ML Intern, Botplus

07/2025 – 09/2025 | Online

Tech Stack: Python (FastAPI), HTML, CSS, JavaScript, REST APIs, WebSocket

- Developed AI-driven modules for Speech-to-Text (STT), Text-to-Speech (TTS), and avatar generation features.
- Integrated models such as ElevenLabs Scribe, Grok, Speechmatics, Munsit, and HeyGen using REST APIs and FastAPI.
- Implemented optimisation and caching strategies to improve response times and enhance user experience in real time applications.
- Built scalable backend/frontend components and optimised real-time AI inference performance with the AI team.

Education

Bachelor of Technology in Artificial Intelligence and Data Science

2021 – 2025 | Kochi

Rajagiri School of Engineering and Technology, Kochi

Technical Skills and Interests

Languages

Python, SQL, C (Basics), HTML+CSS, Javascript (Basics)

Tools & Technologies

Power BI, Visual Studio Code, Cursor, Git, Github

Databases

MySQL, MongoDB, Firebase

Soft Skills

Problem Solving, Creativity, Time Management, Adaptability

Libraries

Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn, Keras, Tensorflow

Frameworks

Python FastAPI, REST APIs, Streamlit

Relevant Coursework

Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System

Projects

Play Store Ad Revenue Prediction, Tech Stack: Python, Scikit-Learn, Streamlit, MySQL

- Built a machine learning model to predict Play Store advertisement revenue using user engagement and ad metrics.
- Performed data preprocessing, EDA, feature importance analysis, and trained multiple regression algorithms.
- Built and benchmarked 4 machine learning models on 93,000+ samples, improving revenue prediction performance and achieving the best performance with Random Forest with an R^2 score of 94%.
- Developed a Streamlit-based web application with MySQL integration to store and manage prediction records.

Crowd Anomaly Detection, Tech Stack: Python, YOLO, DeepSORT

- Developed an intelligent surveillance system to detect abnormal or suspicious behaviours in crowd footage using machine learning and computer vision.
- Implemented frame-by-frame motion and activity analysis with OpenCV to extract behavioural features.
- Trained and evaluated multiple ML models on 10,000+ video frames, achieving over 86% anomaly detection accuracy.
- Aimed at improving public safety by enabling early detection of irregular crowd movements in real time.