

# THASLIM VS

## AI/ML ENGINEER



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A Current MSc Data Science student with 1 year of hands-on experience in Python, data analysis, AI, ML, and DL. I have honed my skills in developing and deploying ML models, and I thrive on the challenge of turning data into actionable insights. Currently gaining invaluable hands-on experience as a data science intern in the R&D department at Luminar Technohub.

## WORK EXPERIENCE

### Jr Data Scientist

#### Luminar Technohub R&D

📍 Kochi  
📅 Aug 2023 - present

- Applied statistical analysis, EDA, Python programming, machine learning and deep learning techniques to extract meaningful insights from large datasets in real-world projects.
- Collaborated with cross-functional teams to understand business requirements and provide analytical support for various projects and initiatives.
- Received positive feedback from stakeholders, Actively participated in team knowledge-sharing sessions, contributing valuable insights to the broader data science community within the organization.

### AI ML Engineer

#### Sinro Robotics Pvt Ltd

📍 Kochi  
📅 Jan 2023 - Jul 2023

- Applied ml algorithms for computer vision tasks, including object detection, Face recognition, and mask detection.
- Partnered with Production teams to embed machine learning models into production systems.

## PROJECTS

### ■ Real-time Fog detection and alert system with CNN and Django

**Integration** - Employed **TensorFlow**, **Keras** and **openCV** for image preprocessing and implemented a robust **CNN** architecture to identify and classify fog patterns accurately. Established a threshold-based alerting mechanism that triggers an automatic email notification to the traffic police when fog levels exceed 50%. Designed an intuitive and user-friendly dashboard within the **Django** application using **HTML**, **CSS**, and **JavaScript**.

### ■ Weeds detection and management system for farmers

utilizes a pre-trained Convolutional Neural Network (**CNN**) model, specifically **InceptionV3**, to accurately detect the presence of weeds in crops. Collaborated with the **Django** team to develop a user-friendly web application using the **Django** framework.

### ■ Stock Market Prediction using LSTM

Developed a **LSTM**-based stock market prediction model that achieved promising results in forecasting future stock prices. The project demonstrated proficiency in **deep learning** techniques, **data preprocessing**, **hyperparameter tuning**, and **model evaluation** in the context of financial forecasting.

### ■ Real Time Wildfire Detection Web Application

Developed a robust fire detection system using **Convolutional Neural Networks (CNN)** implemented with **TensorFlow** and **Keras**. Achieved high **accuracy** through optimized architecture and **Adam optimizer**. Leveraged **OpenCV** for preprocessing and analysis of real-time camera feeds. Worked closely with the **Django** development team to integrate **machine learning** functionalities into the **web** application.

## TECH STACK

**Python** - NumPy, Pandas, Keras, Django  
Scikit-learn, TensorFlow, PyTorch, pillow.

**Data Visualization** - Power BI, Tableau, Seaborn, Matplotlib, Plotly

**Machine learning AI**- Supervised, Unsupervised, Reinforcement Learning, Large language model (LLM)

**Deep Learning** - ANN, CNN, RNN, LSTM  
Computer Vision, Image Processing, YOLO

**Basic HTML, CSS, JavaScript, R**

**IDE** - Visual Studio, Google colab  
Jupyter notebook, PyCharm

**Database (DBMS)**- SQL, MySQL, NoSQL  
MongoDB, SQLite, PostgreSQL

**NLP** - Stemming, Lemmatization, Tokenization, Sentiment analysis, TFIDF, NLTK, Word Embeddings, Text Classification

**MS Excel, MS Word, MS PowerPoint**

**LLM** - Open AI, Gemini AI, Lamma 3, Mistral AI

## EDUCATION

### MSc DATA SCIENCE

Chandigarh University

📅 Apr 2023 - present

### BSc COMPUTER SCIENCE

KMM College Of Arts & Science, Thrikkakkara

📅 Jun 2019 - Nov 2021

56%cgpa

## CERTIFICATIONS

### ■ NACTET Certification in Data Science

📅 May 2022 - Nov 2022

### ■ Certification in python & android

📅 Apr 2021 - Jun 2021