

Finan Muhammed

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Kozhikode, 673616, IN

Work Experience

Flutter Intern May 2024 - May 2024

Baabtra | Kozhikode, India

Gained hands-on experience in developing and deploying mobile applications using Flutter and Dart

Projects

YouTube Sentiment Analysis MLOps

Dec 2025 - Jan 2026

Developed an end to end YouTube Sentiment Analysis pipeline that collects comments using the YouTube Data API and performs sentiment classification using NLP techniques. The project includes data pre-processing, model training and evaluation with experiment tracked using MLflow and data/model versioning managed via DVC. The trained model is served through a Flask API and integrated with AWS S3 for artifact storage.

Image Classification using Fashion MNIST

Dec 2025 - Dec 2024

Built a Pytorch model for multi-class image classification using fashion MNIST dataset. The model was trained and evaluated using standard evaluation metrics.

Smart Library Management System

Dec 2024 - Feb 2025

Developed a Flutter-based library management system integrating voice recognition, NLP (spacy), and indoor navigation for efficient book search and retrieval. Built an admin panel using React and Express for managing books and users. Implemented a static indoor navigation using Canvas, enabling users to locate books based on rack IDs.

A* Algorithm Visualization

Sep 2024 - Oct 2024

Developed a Python-based visualization tool to demonstrate the workings of the A* pathfinding algorithm. The tool allows users to define start and end points, set barriers, and observe the algorithm's pathfinding process with dynamic updates.

Core Skills

Python, C, SQL, Javascript, React, Flutter ,Express , Flask, Scikit-learn, Pytorch, MLflow, DVC

Education

Cochin University of Science and Technology Jul 2025 - Present

MSc Computer Science specialization in Data Science

Sacred Heart College, Thevara Aug 2022 - Mar 2025

Bachelor of Computer Application

Rahmania Higher Secondary School Jul 2020 - Mar 2022

Higher Secondary Education

Languages

Malayalam (Mother tongue(s)), English (Other language(s))

Certificates

Applied Machine Learning in Python

Sep 2024

Coursera

Introduction to Machine Learning

Jun 2024

Coursera

Python Data Science: Data Prep & EDA with Python

May 2024

Udemy

Data Warehousing with Oracle: Design a Database

Feb 2024

Coursera