



MOHAMMED MISHAL

Course : **B.Tech**, Computer Science & Engineering, 2026

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CGPA : 9.02



ACADEMIC DETAILS

COURSE	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
CLASS XII	MES HSS VALANCHERY	Kerala Higher Secondary Examination Board (DHSE)	93.5 %	2022
CLASS X	SAFA ENGLISH SCHOOL	CBSE	78 %	2020

Subjects / Electives	Artificial Intelligence & Machine Learning , Data Structures & Algorithms , Database Management Systems (DBMS & RDBMS) , Object-Oriented Programming
Technical Proficiency	Testing Methodology , SQL, DBMS, Scikit-Learn, Tensorflow, Agile Methodologies , Deep Learning, Python, Machine Learning, Flask, MySQL, Transformer, Statistics, Team Management , MongoDB, GCPs, Git, PyCharm, RESTful WebServices , Data Structures , Algorithms , Analytical Skills, RDBMS, NLP, PyTorch

PROJECTS

Shipment Delay Prediction – Full-Stack ML System - Machine Learning • Designed and deployed a machine learning system on AWS to predict shipment delays using Flask APIs. • Implemented MLflow for reproducibility and hyperparameter tuning; improved forecasting with Random Forest & XGBoost. • Tech: Python, Flask, Scikit-learn, XGBoost, MLflow, AWS.	May 2025 - May 2025
Fraudulent Transaction Detection - Machine Learning • Processed 6.3M+ financial records, handling imbalance with SMOTE & class weighting. • Built Random Forest and XGBoost models, achieving high fraud detection accuracy with interpretability via feature importance. • Tech: Python, Scikit-learn, XGBoost, Imbalanced-learn, Pandas, Matplotlib.	Apr 2025 - Apr 2025
Image Forgery Detection System - Deep Learning • Built a CNN model with Error Level Analysis (ELA) to detect tampered images with confidence scoring. • Developed a Flask web app for real-time detection and deployed a scalable computer vision system. • Tech: Python, Flask, TensorFlow, OpenCV, ResNet, NumPy, Pandas.	Apr 2025 - Apr 2025
AarogyaAI : AI-Powered Healthcare Assistant for Indi - AIML • Built AarogyaAI, a multilingual AI healthcare assistant supporting 22 Indian languages for rural accessibility. • Implemented OCR-based medical report analysis, personalized diet plans, and AI-driven prescription guidance. • Tech: Python, PyTorch, Transformers, Gemini API, MongoDB, Google Cloud Translate, OCR	Feb 2025 - Mar 2025

INTERNSHIPS

AIML, Practical Eduskills • Built and deployed a Thyroid Prediction System using Python and Scikit-learn, improving diagnostic accuracy through preprocessing and feature engineering. • Designed and tested scalable ML pipelines for healthcare data with strong focus on data governance and reproducibility. • Collaborated in an Agile environment, using Git/GitHub for version control and deployment.	Oct 2024 - Dec 2024
Project Intern, iNeuron.ai • Contributed to real-world AI/ML projects, applying deep learning (TensorFlow, PyTorch) for business use cases. • Implemented cloud-based model training and deployment on AWS/GCP. • Strengthened expertise in data structures, OOP, and problem-solving while collaborating with peers in a fast-paced environment.	Jun 2024 - Jul 2024

CERTIFICATIONS

CERTIFICATION	CERTIFYING AUTHORITY
IBM Data Science Professional Certificate	Cousera
Data Analysis with Python	Cousera
Python for Data Science, AI & Development	Cousera
Machine Learning with Python	Cousera

LANGUAGES KNOWN	
English ,Malayalam ,Tamil	
COMPETITIONS	
Kaggle ML Competition <ul style="list-style-type: none">Developed high-performing ML model for predictive analytics	Aug , 2024
SCHOLARSHIPS	
Merit Scholarship Awarde <ul style="list-style-type: none">Recognized for Outstanding Academic Performance	Aug 2022
VOLUNTEER EXPERIENCE	
NSS - Role: Leader Cause: Social Services	May 2021 - Mar 2022
EXTRA CURRICULAR ACTIVITIES	
hackathons <ul style="list-style-type: none">Participated in hackathons building scalable ML/web apps.	