

NIHAL MUHAMMED KP

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PROFESSIONAL SUMMARY

Motivated and detail-oriented Data Scientist with proven skills in Python, machine learning, and data analytics. Experienced in designing models, cleaning data, and producing actionable insights. Strong analytical thinker and effective communicator eager to leverage data science skills to contribute to organizational success.

TECHNICAL SKILLS

Languages: Python, R, Scala, SQL

Databases: SQL, MongoDB

Data Visualization: Tableau, Power BI, Matplotlib

ML Techniques: Regression, Classification, Clustering, Time Series, Predictive Modeling

Tools/Frameworks: Flask, Firebase, OpenCV, dlib, Google Workspace, MS Office

EXPERIENCE

Data Science Intern

Quest Innovative Solutions

July 2024 – Present

Kerala, India

Performed exploratory data analysis on diverse datasets to extract business insights and trends.

Enhanced machine learning models, improving accuracy by 15% using hyperparameter tuning and cross-validation.

Built and deployed automated ETL pipelines, reducing manual effort by 20%.

Conducted clustering and time series analysis to guide strategic decision-making.

PROJECTS

Facial Recognition-Based Biometric ATM System

May 2024

Designed a secure facial-authentication-based ATM prototype using CNN and DCNN algorithms.

Built backend using Python, Flask, and MongoDB, achieving 30% faster processing time.

Focused on improving user experience and security via real-time facial detection.

AI-Based Attendance Management System (AIMS)

June 2023

Developed automated attendance tracking using face detection and recognition with dlib and OpenCV.

Integrated Firebase for real-time database storage and CSV generation for reports.

Streamlined data management and improved attendance accuracy using facial metrics.

CERTIFICATIONS

Data Analysis Using Python – IBM

Apr 2025

Digital Marketing – HubSpot Academy

Apr 2025

EDUCATION

MEA Engineering College

B.Tech in Computer Science and Engineering

Sep 2020 – Jun 2024

Perinthalmanna, Malappuram