

MUHAMMED AKBAR MMK

AI & Machine Learning Engineer | Dubai, United Arab Emirates
+971 508910562 | muhammedakbaraku905@gmail.com | LinkedIn

PROFESSIONAL SUMMARY

AI and Machine Learning Engineer with hands-on experience in developing data-driven solutions using Python, machine learning algorithms, and computer vision techniques. Strong foundation in deep learning, NLP, and data analysis, combined with full stack development experience for deploying scalable AI-powered applications. BCA graduate in Robotics, Machine Learning, and Artificial Intelligence.

CORE SKILLS

- Programming: Python, Java
- Machine Learning: Supervised & Unsupervised Learning, Model Evaluation, Feature Engineering
- Deep Learning: Neural Networks, CNNs, Computer Vision
- NLP: Text Processing, Tokenization, Classification
- Data Science: Data Analysis, Data Visualization, Pandas, NumPy
- Tools & Frameworks: OpenCV, Git, GitHub, Jupyter Notebook
- Cloud & DevOps: AWS EC2, AWS S3, Microsoft Azure Fundamentals
- Databases: MySQL, SQL Optimization

PROFESSIONAL EXPERIENCE

Artificial Intelligence and Machine Learning Engineer – Learners Point Academy, Dubai

Nov 2025 – Present

- Applied machine learning algorithms to solve real-world problems through hands-on projects and case studies.
- Worked with Python-based ML libraries to preprocess data, train models, and evaluate performance.
- Enhanced model accuracy through data cleaning, feature engineering, and hyperparameter tuning.

Java Full Stack Developer Trainee – Quest Innovative Solutions, Kerala

Mar 2024 – May 2025

- Developed scalable backend services using Spring Boot, enabling AI-ready data pipelines.
- Designed REST APIs for data ingestion and integration with machine learning workflows.
- Optimized SQL queries and database schemas, improving data retrieval speed by 40%.
- Collaborated in Agile teams to deliver production-quality applications.

PROJECTS

Traffic Sign Detection and Recognition System

- Developed a real-time computer vision system using Python and OpenCV.
- Achieved 92% classification accuracy with real-time detection at 30 FPS.
- Implemented image preprocessing and feature extraction techniques to improve model performance.

Student Management System

- Built a full-stack system managing 500+ student records with secure role-based access.
- Integrated analytics-ready backend architecture for future AI insights.
- Reduced page load time by 50% through query and backend optimization.

EDUCATION

Bachelor of Computer Applications (BCA) – Robotics, Machine Learning & Artificial Intelligence

Yenepoya (Deemed to be University), Mangalore | 2020 – 2023

Certification: Microsoft Azure AI Fundamentals (AZ-900)

LANGUAGES

Malayalam, English, Arabic, Hindi