

RASHEEQUE AHAMMED RAHIM

AI & ML Development Engineer

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PROFESSIONAL SUMMARY

Motivated AI/ML Development Engineer with hands-on experience in building scalable machine learning and deep learning solutions. Proficient in Python and frameworks like TensorFlow, PyTorch, and scikit-learn. Demonstrated success in NLP, computer vision, and real-time ML applications. Strong analytical mindset and collaborative approach, eager to contribute to innovative AI-driven products.

TECHNICAL SKILLS

ML/AI: TensorFlow, PyTorch, scikit-learn, Keras, XGBoost, YOLO, BERT, LLaMA, NLP, Computer Vision, Deep Learning

Programming: Python (Pandas, NumPy, OpenCV, Transformers), R, SQL

Tools & Cloud: Git, Docker, Streamlit, GCP, BigQuery, Docker, Tableau, Power BI, MySQL

Specializations: Real-time Video Analytics, Spatial AI, Object Detection, Retail Automation, Generative Design

Certifications: IBM Gen AI, GCP Foundations, AI/DL (360DigiTMG)

PROFESSIONAL EXPERIENCE

AI ML Development Engineer

Think Neural AI

May 2025 – Present

Remote

- Develop and deploy ML pipelines for real-time video analytics and spatial AI serving major retail clients (Lenskart, MR.DIY), achieving 96%+ accuracy in object detection and processing 1000+ hours of video data monthly.
- Engineer YOLO-based computer vision models for automated object detection, behavioral analysis, boundary detection, and anomaly recognition in retail environments.
- Build scalable generative design algorithms to automate CAD layout generation from 3D scan data, reducing design time by 80% and improving store rollout efficiency.

Data Scientist Intern

Innodatatics

March 2024 – October 2024

Bangalore, India

- Built and optimized ML models using TensorFlow/scikit-learn, improving accuracy by 15% through hyperparameter tuning, feature engineering, and cross-validation on datasets with 100K+ records.
- Deployed AI solutions reducing operational costs by \$1M+, including YOLO-based inventory counting (96% accuracy); collaborated on NLP (DistilBERT) and CV projects for retail/healthcare.

KEY PROJECTS

SpaceZap.AI - AI-Driven Retail Site Survey & Design Automation

May 2025 – Present

- Engineered end-to-end ML pipelines to automate retail site surveys and 3D fit-out designs using computer vision models for boundary detection and spatial analysis across 50+ retail locations.
- Automated LiDAR/3D scan conversion to CAD-ready layouts with generative design logic. Tech: PyTorch, OpenCV, CAD Automation, LiDAR

Sakshi.AI - Real-Time Video Analytics & Surveillance Platform

May 2025 – Present

- Developed real-time video analytics platform for retail/industrial surveillance monitoring 100+ camera feeds with vision models for object detection, behavioral analysis, and anomaly recognition.
- Implemented scalable video processing workflows providing actionable insights and alerts. Tech: TensorFlow, YOLO, OpenCV, Stream Processing

Emotion Detection & Adaptive Response Chatbot

November 2024 – January 2025

- Built emotion-aware chatbot using DistilBERT & LLaMA on GoEmotions dataset (28 emotions), achieving 92% accuracy; deployed on Hugging Face with Streamlit UI handling 500+ interactions. Tech: Transformers, NLP, Fine-tuning

EDUCATION

Masters in Computer Application (MCA) - AI Specialization

2023 – 2025

Amrita Vishwa Vidyapeetham (Amrita AHEAD)

Bachelor of Science in Computer Science

2020 – 2023

College of Applied Science Koothuparamba, Kannur, India