

AI Engineer specialized in Computer Vision and Automation, skilled in building real-world solutions using Deep Learning, Object Detection, and API-driven systems to bridge AI research with business automation

Projects

Salesforce to GoHighLevel (GHL) Migration | islamabad, Pakistan

Dec '25 – Dec '25

- Successfully migrated a large-scale Salesforce CRM instance to GoHighLevel (GHL) for a client, ensuring full data integrity and workflow continuity. The migration included multiple modules with high data volume and complex relationships.
- Migrated **25,000 contacts, 9,000 opportunities, and 7,000 accounts/companies** while maintaining relational integrity.
- Imported **160,000+ conversation records and emails** through automated scripts and API integration.
- Implemented **pipeline setup and mapping** to replicate Salesforce workflows in GHL.
- Developed **custom Python scripts** for bulk imports, deduplication, and error handling to ensure smooth data transfer
- Ensured **high reliability and repeatable process** by implementing **retry logic, logging, and testing scripts**
- Reduced migration time by automating manual steps, ensuring a **fast and accurate transition**

Hand-Sketched UML Diagram Recognition & Conversion | [Link](#) | Islamabad, Pakistan

Riphah international university

Feb '24 – Dec '24

- Trained **YOLOv8** models on Roboflow to detect UML diagram elements
- Used **OpenCV** for shape detection and **Tesseract OCR** for reading class names and attributes
- Exported results as **JSON → XMI**, editable in StarUML.
- Achieved **96% validation accuracy** on UML diagram recognition using YOLOv8.

Automatic Number Plate Recognition (ANPR) | [Link](#) | Islamabad, Pakistan

Jun '25 – Jul '25

- Combined **YOLOv8 + EasyOCR/Tesseract** for license plate detection & recognition.
- Optimized preprocessing with bounding box filtering and FPS overlay.

EXPERIENCE

AI/Computer Vision Engineer (Project-Based Experience)

Independent AI Projects

Pakistan

Jan '24 – Present

- Developed and deployed multiple **AI/ML solutions** including object detection, OCR automation, and face recognition attendance systems.
- Implemented **YOLOv8 & DeepFace-based attendance system**, achieving **96%+ recognition accuracy** while preventing proxy/fake attendance
- Built **UML Diagram Recognition & Conversion System** using YOLOv8 + OCR (Tesseract), converting hand-drawn diagrams into **StarUML-editable XMI files**.
- Deployed models via **Flask web apps & APIs**, integrating real-time detection, visualization, and backend automation.
- Applied **best practices in data preprocessing, model evaluation, and performance tuning** using PyTorch & TensorFlow.
- Published open-source projects on GitHub, demonstrating ability to design, document, and share industry-level AI workflows.

AI /ML Engineer/Team Lead • Devrolin • islamabad, Pakistan

Sep '25 – Present

Led a cross-functional team of AI and automation engineers in building intelligent lead generation and workflow automation solutions for business growth. Designed and implemented end-to-end data pipelines using Python and machine learning models to identify, extract, and qualify high-value leads from multiple online sources. Integrated advanced APIs and automation tools to enhance data enrichment, outreach, and system connectivity. Directed daily operations, mentored junior engineers, and ensured timely delivery of high-performance AI solutions aligned with project goals.

- Architected an **AI-powered lead generation system** that automated prospect discovery, enrichment, and engagement across multiple platforms.
- Integrated **OpenAI, Twilio, and Google APIs** to enable natural language processing, communication automation, and intelligent response handling.
- Improved workflow efficiency by **40%** through strategic automation and optimized data-handling pipelines
- Provided **technical leadership and mentorship** to interns and junior developers, ensuring quality, scalability, and adherence to best practices.
- Deployed and maintained production-ready AI and automation systems using **FastAPI, Pandas, and Docker**

Skills

Languages: Python, C++, Java

Deep Learning & ML: PyTorch, Scikit-Learn, YOLOv8

Computer Vision: OpenCV, Roboflow, EasyOCR

Data Handling: Pandas, NumPy, Data Preprocessing & Augmentation, Tesseract, Web Scraping

Tools: Git, Jupyter, Anaconda, Colab, VS Code, Flask, GoHighLevel, Make, n8n

API & Automation: OpenAI API, Twilio API, FastAPI

Soft Skills: Leadership, Communication, Collaboration, Research & Experimentation, Continuous Learning

EDUCATION

Riphah International University, Islamabad, Pakistan | BS Computer Science

Jan '20 – Dec '24

Bachelor of Science

- Relevant Coursework: Deep Learning, Machine Learning, Operating Systems, Software Engineering
- Final Year Project: UML Diagram Recognition and Conversion System

Certifications

Google Project Management | Google

Sep '24

Google IT Support | Google

Sep '24

Introduction to Artificial Intelligence (AI) | IBM

Sep '24

Foundations: Data, Data, Everywhere | Google

Mar '23

Awards

AI Innovation | Riphah International University

Nov '24

Achieved **96% accuracy** in automated UML diagram recognition using YOLOv8 and OCR, enabling conversion to editable StarUML files.