

Ramzan Hussain

Lahore
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EDUCATION

University of Central Punjab, Lahore
Bachelors of Science in Software Engineering
CGPA: 3.52

2020 – 2024

Punjab Group of Colleges
Intermediate in Computer Science

2018 – 2020

WORK EXPERIENCE

ProgrammX Aug 2025 – Present

AI Developer and Automation Engineer

- Designed and developed AI-powered chatbots using different models to enhance conversational experiences.
- Developed AI solutions by integrating NLP, Machine Learning, and Deep Learning models to address business requirements.
- Built and maintained automation workflows using n8n to integrate APIs, streamline data pipelines, and automate repetitive business processes.
- Collaborated with cross-functional teams to deliver end-to-end AI systems, covering data preprocessing, model development and optimization.

Machine Learning 1 April 2025 – May 2025

Data Scientist Trainee.

- Strengthened programming expertise in Python, focusing on libraries such as Pandas, NumPy, TensorFlow, and PyTorch.
- Gained practical experience in building models for Machine Learning, Deep Learning, and Natural Language Processing (NLP) through hands-on projects.

Digicon Valley Feb 2025

Data Scientist Intern

- Utilize Power BI to create insightful data visualizations for effective decision-making. Perform web scraping.

Aug AI 2 Dec 2024 - 6 Dec 2024

AI Trainee

- Developed Virtual Try-On applications using DeepLabV3 and VTO models from Hugging Face.
- Implemented Text Detection from diagrams and images using PyTesseract OCR.

PROJECTS

Text Detection and Classification – Developed a text recognition system using EasyOCR to extract text from document images and classified it into handwritten or computerized text using a MobileNetV2-based classifier.

Flash Detection – Implemented a flash detection model by training YOLOv11n on a custom image dataset to accurately identify and locate flash regions within static images.

Vehicle Number Plate Detection – Built a vehicle number plate recognition system by training YOLOv8n for plate detection and EasyOCR for extracting alphanumeric characters from detected regions.

Person Detection – Applied YOLOv8 on webcam, video, and images for real-time person tracking.

Vehicle Detection – Implemented YOLOv3 to detect cars, trucks, and buses in images and video.

Object Detection – Used YOLOv3 to recognize multiple object classes in static images.

Face Recognition – Developed a Face Recognition System using CNNs to identify individuals with high accuracy.

Salary Prediction – Developed a Salary Prediction Model using linear regression to predict employee salaries.

Intelligent AI Chatbot – Designed and implemented an Intelligent AI Chatbot using Transformers.

Character Recognition – Built a Character Recognition Model to classify handwritten characters using CNN model.

Sentiment Analysis – Implemented a Sentiment Analysis Model utilizing LSTM and GRU.

Emotions Recognition – Built an Emotion Recognition Model to classify emotions using CNN model.

CERTIFICATIONS

Introduction to Data Science	2025
SimpliLearn	
Python for Data Science	2025
Coursera	
Machine Learning	2024
SimpliLearn	
Introduction to AI	2024
Coursera	

SKILLS AND INTERESTS

Technical Skills: Python, Power Bi, Excel, Web Scraping, AI, Automation(n8n), FASTAPI, MongoDB

Language: English - Basic, Urdu - Native, Punjabi - Native.

Interpersonal Skills: Problem solving, Time management, Teamwork and Collaboration.

Interests: Data Science, Artificial Intelligence, NLP, Machine Learning, Deep Learning.