

# Ramzan Hussain

Lahore  
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## EDUCATION

**University of Central Punjab, Lahore** 2020 – 2024  
Bachelors of Science in Software Engineering  
CGPA: 3.52

**Punjab Group of Colleges** 2018 – 2020  
Intermediate in Computer Science

## 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 Internee

- 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

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

SKILLS AND INTERESTS

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**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.