Ramzan Hussain

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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.
- 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.
- 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.

Tracking World   Oct 2024 – Nov 2024
Key Executive Department
- Provided customer support for vehicle tracking systems. Resolved technical issues and inquiries,
- Conducted functional and usability testing of mobile apps and web portals.

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.
Language: English - Basic, Urdu - Native, Punjabi - Native.
Interpersonal Skills: Problem solving, Time management, Teamwork and Collaboration.
Interests: Artificial Intelligence, NLP, Machine Learning, Deep Learning.