

Adept at transforming challenges into innovations, I developed AI-driven solutions during my internship, including a multi-lingual translation tool and a real-time vehicle detection system. With certifications from Harvard CS50 and Google in AI, cybersecurity, and IT automation, I bring strong technical expertise and problem-solving skills.

## Skills

- Programming Languages:** Java, Python, JavaScript, HTML, CSS, SQL
- AI/ML Tools & Libraries:** OpenCV, YOLOv8, SpaCy, FuzzyWuzzy; foundational knowledge in machine learning concepts
- Data Handling:** SQL databases, basic data preprocessing
- Web & App Development:** Django, responsive web design
- Software Practices:** Clean coding, debugging, version control (Git)
- Creative Design & Multimedia:** Graphic design, 2D animation, video editing

## Work History

### Machine Learning Intern

Internship, Remote

September 2024 - October 2024

- Language Translator:**  
Developed a translation tool leveraging popular APIs, supporting multiple languages with a user-friendly interface.  
Created extensible, maintainable code to boost translation accuracy and efficiency.
- Object Detection and Tracking:**  
Implemented a real-time vehicle detection system using YOLOv8 and OpenCV, calculating speeds and classifying vehicle movement.  
Enhanced visualization and responsiveness with optimized bounding box displays.
- FAQ Chatbot:**  
Built an AI-powered chatbot using NLP techniques (SpaCy and FuzzyWuzzy) to automatically answer FAQs.  
Integrated a user feedback mechanism to refine responses and improve accuracy over time.

## Education

Bachelor of Science in Software Engineering Expected in July 2027  
NFC-IET Multan, Multan

## Certifications

- Google IT Automation with Python Professional Certificate** – Issued Dec 2024  
Developed advanced Python skills, Git/GitHub proficiency, and automation techniques for real-world IT tasks.
- Google AI Essentials** – Issued Nov 2024  
Acquired foundational knowledge in AI, including large language models and prompt engineering.
- CS50's Introduce To Artificial Intelligence with Python** – Issued Aug 2024  
Learned core AI principles and neural network fundamentals using Python.
- CS50's Introduction to Python Programming** – Issued Jul 2024  
Solidified essential programming and problem-solving skills in Python.
- CS50's Introduction to Computer Science** – Issued Jul 2024  
Gained comprehensive insights into computer science, including algorithms and data structures.
- Build Your Generative AI Productivity Skills with Microsoft and LinkedIn** – Issued Jun 2024  
Enhanced proficiency in generative AI techniques and productivity within a collaborative environment.