

# MUHAMMAD ARSLAN MUNAWAR

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## EDUCATION

### CAPITAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

Bachelor of Software Engineering

Islamabad, Pakistan

2022 – 2026

### PUNJAB GROUP OF COLLEGES

F.Sc Pre-Engineering

Chichawatni, Pakistan

2020 – 2022

## PROJECTS

### AXON – AI VOICE ASSISTANT

Solo Developer

Android, Kotlin

Personal Project

- **Voice Pipeline:** Built a native Android voice assistant handling speech recognition, natural-language command parsing, and task execution
- **Architecture:** Designed the end-to-end app architecture single-handedly, from voice input to on-device response and action handling

### MULTI-AGENT YOUTUBE AUTOMATION SYSTEM

Solo Developer

AI Agents / Automation

Personal Project

- **Pipeline Design:** Architected an 8–9 agent system covering scripting, voiceover, video generation, thumbnails, SEO/metadata, and publishing
- **Automation & Analytics:** Automated the full content lifecycle end-to-end, including post-upload performance reporting

### NEXT-GEN E-COMMERCE WITH AR TRY-ON

Software Engineer

Final Year Project

In Progress

- **AR Integration:** Building an e-commerce platform with static and live AR try-on so shoppers can preview products virtually before purchase

### WIX WEBSITES – E-COMMERCE & TRAVEL

Web Designer

Freelance / Personal

- **Site Design:** Designed and delivered Wix-based e-commerce and travel websites, covering layout, product/booking flows, and branding
- **Live sites:** [easystore](#) · [my-site-3](#) · [infinitytravel](#)

### CYBERSECURITY RESEARCH

Independent Researcher

- **Vulnerability Research:** Applied ethical-hacking and penetration-testing techniques to identify and document security vulnerabilities

## PROFESSIONAL EXPERIENCE

### EZITECH INSTITUTE

Machine Learning Intern

Islamabad, Pakistan

Jul 2025 – Sep 2025

- **Data Pipeline:** Applied Python-based machine learning techniques to real-world datasets, handling data cleaning, preprocessing, and visualization
- **Model Development:** Built and evaluated ML models using Pandas, Matplotlib, and Scikit-learn, strengthening practical data-science skills

## EXTRACURRICULAR & VOLUNTEER EXPERIENCE

### ALKHIDMAT FOUNDATION SAHIWAL

Volunteer

Sahiwal, Pakistan

Feb 2025

- **Community Outreach:** Coordinated relief and educational-outreach activities as part of a community welfare team
- **Event Coordination:** Organized volunteer schedules and on-ground logistics across multiple community events

## ADDITIONAL

- **Programming Languages:** Python, Java, C++, C#, C, JavaScript, PHP, SQL
- **Web & Mobile:** React.js, HTML/CSS, Bootstrap, Kotlin, Firebase, Supabase, MySQL, Wix
- **AI & Data:** AI Agents, LLMs, Pandas, Matplotlib, Scikit-learn
- **Tools & Platforms:** Unity, Unreal Engine, Blender, Lens Studio, Git/GitHub, Linux, Kali Linux, Canva, CapCut
- **Other Skills:** Penetration Testing, Enterprise Architecture, Object-Oriented Programming
- **Enterprise Skills:** Fast Learning, Problem-Solving, Communication, Teamwork
- **Languages:** English (C2), Urdu, Punjabi