# SYED MUHAMMAD USMAN ZAFAR

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[LinkedIn](#) [Portfolio](#) [Github](#)

7th-semester Computer Science student with hands-on experience in AI/ML, web, and Android development. Passionate about building impactful solutions and improving user experiences through technology

## Core Competencies:

- MongoDB
- Firebase
- Git/Github
- Streamlit
- Material Design
- Python
- Java
- Kotlin
- C++
- Object Oriented Programming
- Web Development
- Android Development
- Material Design
- UI/UX Design
- Jupyter NoteBook
- VS Code
- Google Colab
- Android Studio
- Figma
- Problem Solving
- Adaptability
- Team work
- Communication
- Critical thinking

## Experience

### Junior Machine Learning Engineer-Omdena (Client: IREX)
*• Remote • June 2024 - Aug 2024*

- Collaborated with a global team to develop AI-powered content moderation and fact-checking tools across the Dominican Republic and Colombia.
- Built a performance analysis notebook using Python, categorizing **10,000+ texts** with **85%+** accuracy into facts, opinions, and declarations.
- Enhanced a fact classification agent, improving content review workflow efficiency by **30–40%.**
- **Technologies:** Python, Pandas, Scikit-learn, Jupyter Notebook, Machine Learning, NLP

## Projects

### Patient Influx Analysis Dashboard – Mansoorah Hospital
*• May 2025*

Collaborated directly with hospital management to support high-stakes stakeholder meetings through actionable data insights.
- Performed end-to-end **data cleaning, preprocessing, and analysis** using **Python** on noisy **CSV records** from 31 departments
- Built and deployed a user-friendly **Streamlit** dashboard to visualize quarterly patient influx via **interactive bar charts**.
- Enabled department-wise filtering and insights extraction for non-technical staff, ensuring clarity and usability at all levels.
- [App Link](#)

### MediTrack - Android Personal Health Companion App
*• April 2025*

Led the development by using **Kotlin, Java** and **Material 3 components,** collaborating with a team to ensure seamless user experience
- Enabled users to schedule & track medications, upload prescription, and share them via integrated file/image upload and photo capture features.
- Implemented pharmacy locator, BMI calculator and nutrition info viewer for enhanced user functionality.
- Utilized **Firebase** for **user authentication** and real-time data storage.

### SharedFast - Android Notes Sharing App
*• March 2025*

Built a feature-rich app in **Kotlin** to capture, organise, and share image-based notes across multiple platforms.
- Implemented folder-based note management with support for importing files, selecting images from storage, and capturing photos with unique metadata using **MediaStore**
- Used the **Adapter Pattern** to efficiently manage and display folders and images via **RecyclerView** for smooth user interaction.
- Integrated content sharing via Bluetooth, WhatsApp, Facebook and email using **Android's Intent system**

### Devathon Devsinc - Society Management System Web App
*• September 2024*

Participated in Devathon, a **hackathon** hosted by Devsinc, collaborating in a **team of three**
- Developed a society management system web application using **ASP.NET and C#**. The app featured functionalities like **member registration, bill payment, and announcements view**.

### ZakatFlow - Automated Zakat Computation System
*• April 2024*

Developed and deployed an automated Zakat calculation system using **Python** and **Streamlit**, enabling dynamic asset tracking.
- Widely used in the local community during Ramadan to simplify and speed up Zakat calculation.
- Automated calculations and visualized asset distribution, reducing manual effort by **90%**, saving users significant time.
- [App Link](#)

## Education

### National University of Computer and Emerging Sciences
*Lahore, Pakistan• August 2022 - Present*

Bachelor of Science (Bsc) in Computer Science