

# SYED MUHAMMAD USMAN ZAFAR

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

### 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**

### ExamChamp – University Entry Test Preparation App

• November 2024

Collaborated in developing a **MEEN stack (MongoDB, Express.js, EJS, Node.js)** web application with role-based access for Admins, Teachers and Students.

- Managed the development of teacher and student panels for MCQs, exams, and profiles
- Designed and implemented a clean, user friendly UI using EJS.
- Optimised backend workflow using Express.js and MongoDB, improving data retrieval and user experience.

### 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.
- [Zakatify App-Link](#)

## Education

**National University of Computer and Emerging Sciences**  
Bachelor of Science (Bsc) in Computer Science

Lahore, Pakistan • August 2022 - Present