SYED MUHAMMAD USMAN ZAFAR

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

7th-semester Computer Science student with hands-on experience in Android development, supported by strong skills in AI/ML and Web technologies. Passionate about building intuitive mobile applications that enhance everyday user experiences.

Relevant Coursework: Software for Mobile Devices · Database Systems · Operating Systems . Software Engineering . Computer Networks

EXPERIENCE

Software Engineering Intern-DropShot *• June 2025 - Aug 2025*
- Developed a **responsive mobile-friendly web app** for padel player analytics, deployed via Netlify.
- Built and optimized front-end dashboards with React and TypeScript, ensuring smooth cross-device user experience.
- Contributed to **system design discussions**, improving scalability and performance.
- Technologies**: React, TypeScript, Tailwind, REST APIs, Git, Figma**
- **[Website Link](#)**

AI Systems Intern & Team Lead – FAST School of Computing (FAST-NUCES) *• June 2025 - Aug 2025*
- Led a **team project** developing *PaperPilot*, an AI platform automating research paper co-authoring.
- Built and orchestrated multiple agents (LLM Extraction, Research, Writing, Citation, Knowledge Graphs) for an end-to-end workflow..
- Delivered features like **graph visualization, auto-citation, and document export** for 50+ beta users.
- **Technologies: Python, Streamlit, NetworkX, LLMs, Git**

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.
- Designed a performance analysis pipeline classifying **10,000+ texts with 85%+ accuracy**.
- Improved **content review workflow efficiency by 30–40%** through ML enhancements.
- **Technologies: Python, Pandas, scikit-learn, Jupyter Notebook, 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
- Integrated content sharing via Bluetooth, WhatsApp, Facebook and email using Android's Intent system

ZakatFlow - Automated Zakat Computation System *• April 2024*
- Built and deployed a **Streamlit-powered Zakat automation tool**, streamlining financial calculations and **reducing manual effort by 90%** for **500+ users** during Ramadan.
- Integrated dynamic asset tracking and distribution visualizations, improving calculation transparency and saving hours of manual work for community members.
- **[App Link](#)**

TECHNICAL SKILLS

Programming Languages: Kotlin · Java · C++ · TypeScript · Python
Mobile Development: Android SDK · Jetpack Compose · Material 3 · Firebase (Auth, Realtime DB, Firestore)
Web Development: React · Tailwind CSS · REST APIs
AI & Data: Machine Learning · NLP · Large Language Models (LLMs) · Knowledge Graphs
Tools & Platforms: Git/GitHub · Figma

EDUCATION

National University of Computer and Emerging Sciences *Lahore, Pakistan• August 2022 - Present*
Bachelor of Science (Bsc) in Computer Science