



Muhammad Hassan Askari

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ABOUT ME

I'm a final-year Computer Science student at COMSATS University Islamabad with a strong interest in backend engineering, scalable systems, and intelligent software. Through my internships at Pakistan Telecommunication Authority and HBL Microfinance Bank, I gained hands-on experience in software development, database design, and quality assurance working across real-world application workflows.

My technical focus is on backend development using C#, ASP.NET Web API, .NET, and SQL databases. I also build cross-platform mobile applications with Flutter, giving me a solid understanding of both server-side architecture and client-side integration. Alongside this, I continue to explore how AI and Computer Vision can enhance backend systems through automation and smart data processing.

I'm driven to build high-impact solutions where performance, reliability, and innovation come together.

EDUCATION AND TRAINING

12/09/2022 – CURRENT Wah, Pakistan
BS COMPUTER SCIENCE Comsats Universty Islamabad

Address COMSATS University Islamabad, Wah Campus G.T Road Wah Cantt , 47040, Wah, Pakistan | **Website** <https://comsats.edu.pk/> |
Final grade 3.59/4 | **Level in EQF** EQF level 6 | **National classification** A Grade | **Type of credits** Credit Hours | **Number of credits** 133

WORK EXPERIENCE

INFORMATION AND COMMUNICATION TECHNOLOGY INTERN – PAKISTAN TELECOMMUNICATION AUTHORITY – 23/07/2025 – 02/09/2025 – ISLAMABAD, PAKISTAN

Business or Sector: Information and communication | **Website:** <https://www.pta.gov.pk/>

- Developed a backend using ASP.NET Web API for the *E-Diary system* to digitize internal documentation and workflow.
- Designed and implemented the database schema for efficient data storage and retrieval.
- Built the frontend application using Flutter, ensuring smooth integration with the backend API.
- Collaborated in an Agile development environment, participating in sprint meetings and progress reviews.
- Gained hands-on experience in API design, full-stack development, and system integration.

SOFTWARE QUALITY ASSURANCE INTERN – HBL MICROFINANCE BANK LTD. – 05/07/2024 – 04/09/2024 – ISLAMABAD, PAKISTAN

Business or Sector: Financial and insurance activities | **Department:** Information Technology | **Website:** www.hblmfb.com

- Performed manual testing on web and Android banking applications to identify and report software defects.
- Documented test cases and collaborated with developers to ensure timely issue resolution.
- Conducted access reviews and supported audit processes for system and database users.
- Utilized Excel and VBA macros for analytical reporting and automation of repetitive QA tasks.
- Gained hands-on experience in functional, regression, and non-functional testing within an Agile framework

PUBLICATIONS

Multi Stage Traffic Sign Classification Under Heavy Snow (Submitted)

The work investigates deep learning-based computer vision models, analyzing their performance on domain-specific image datasets for enhanced accuracy and generalization

Submitted to the 22nd International Conference on Frontiers of Information Technology (FIT 2025), Islamabad, Pakistan.

CERTIFICATIONS

Coursera, 17/09/2023
Google Cybersecurity Specialization

Mode of learning: Online

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● SKILLS

• Cyber security | Development: HTML, CSS, JavaScript, Bootstrap 4, Android, Flutter | C# | Programming Development in C,C++,DotNet,Asp.Net,PHP,Linux,Apache,MySQL | test procedures | Team-work oriented | GitHub | Machine Learning | Deep Learning | Computer Vision | Backend Development

● PROJECTS

23/07/2025 – 02/09/2025

Diary System – Pakistan Telecommunication Authority (PTA)

Tools & Technologies: ASP.NET Web API, Flutter, SQL

- Created a full-stack E-Diary application to digitize internal documentation. Built RESTful APIs, designed the database schema, and developed the Flutter frontend with smooth integration and UI responsiveness.

Link <https://github.com/AskariSyed/Diary.git>

01/04/2025 – 01/05/2025

Real Estate Management System

Tools & Technologies: PHP, MySQL, HTML, CSS, JavaScript

- Developed a property management web application enabling users to list, search, and manage real estate properties. Implemented secure user authentication, dynamic listings, and CRUD operations for property data.

Link <https://github.com/annaawan/realestate.git>

01/11/2024 – 01/12/2024

Bank Management System

Tools & Technologies: C#, .NET, Oracle Database

- Developed a comprehensive banking system for managing customer data, employee records, and transactions. Designed normalized database schemas and implemented secure, role-based access features.

Link <https://github.com/AskariSyed/BankingManagementSystem.git>

01/04/2025 – 01/05/2025

Event Reminder App

Tools & Technologies: Flutter, Firebase

- Built a cross-platform mobile application for event scheduling and reminders with Firebase Authentication and Firestore for real-time data management and notifications.

Link <https://github.com/AskariSyed/Event-Reminder-App.git>