IHTISHAM

03396123939   ihtishamblouch4@gamil.com   District Rajanpur,Punjab

ABOUT ME

A passionate and dedicated Bachelor of Computer Science (BSCS) student, eager to apply my technical skills and problem-solving abilities in software development. My expertise lies in mobile app development, backend systems, and database management. I have successfully completed my final year project — an innovative Disaster Management System using Drones — designed to enhance disaster response and relief efforts through real-world application of technology.

EDUCATION

2021 - 2025
PMAS Arid Agriculture University Rawalpindi

2019 - 2021
Kips colleges Garden Town Lahore

2017 - 2019
Pakistan Hira High School Jampiur

Bachelor of Science in Computer Science (BSCS)

CGPA: 3.60/ 4.00

Intermediate (FSC)

Marks: 677/ 1100

Matriculation (Sciences)

Marks: 821/ 1100

FINAL YEAR PROJECT

Final Year Project — Completed
Developed a smart disaster management system that leverages drones and geofencing technology to enhance rescue operations, disaster assessment, and resource allocation. The system enables real-time monitoring and allows NGOs to participate in mission-specific relief efforts through targeted contributions.
Key Features:
- Drone Management: Add, update, and monitor drones for coordinated disaster relief operations.
- Mission Planning: Define geofenced areas for missions and allocate drones accordingly.
- Loss Assessment: Analyze disaster-affected regions, calculate damage levels, and recommend required aid (e.g., food, medical supplies).
- NGO Integration: Allow NGOs to fund specific missions and contribute based on area-wise needs and budgets.

Project Highlights:
- Designed and implemented the UI using React Native for drone and mission management.
- Developed RESTful APIs using Flask and connected with MySQL for backend operations.
- Integrated geofencing functionality to allow disaster area selection and zone-based mission planning.
- Currently optimizing real-time data processing and damage analysis for efficient decision-making.

Technologies Used:
- Flask (Python): Backend API development
- MySQL: Database design and management
- React Native: Cross-platform mobile UI development
- Geofencing (MapView): Disaster area zoning and mapping

SEMESTER PROJECTS

Voting System (C# Windows Forms Application)
Developed a secure and user-friendly voting system for elections with authentication and database integration.
- Implemented user authentication for voters and admins.
- Used C# and MySQL for backend and database management.

RoadMaster Bus System (Web Application)
Designed a web-based bus reservation system for passengers to book and track buses.
- Implemented real-time seat availability and booking features.
- Developed using HTML, CSS and JavaScript with SQL Server.

Food Delivery System (Web Engineering Project)
Built a web-based food ordering and delivery platform with restaurant listing and order tracking.
- Implemented restaurant listing, order tracking, and payment integration.
- Used HTML, CSS, JavaScript, and ASP.NET with SQL Server for development.

TECHNICAL SKILLS

Programming Languages: C++,JAVA,Python, JavaScript, C#,
Mobile Development: React Native (CLI)
Backend Development: Flask (Python)
Databases: MySQL,SQLDB
Version Control: Git/GitHub
AI & Machine Learning: Computer Vision, Deep Learning, Roboflow
Tools: PyCharm, Visual Studio Code, SQL Server ,MySQL
Other Skills: Problem-Solving, Debugging, Data Structures & Algorithms

LANGUAGES

- **English** – Proficient
- **Urdu** – Native / Fluent
- **Saraiki** – Native / Fluent
- **Punjabi** – Intermediate / Fluent

CERTIFICATIONS

- **One-Day Workshop on WordPress**
- Barani Institute of Information and Technology – 2022
- **One-Day LINKQ and Web Api Workshop**
- Barani Institute of Information and Technology – 2022
- **MERN Stack Workshop**
- Barani Institute of Information and Technology – 2023
- **Artificial Intelligence & Computer Vision Training**
- Barani Institute of Information and Technology – 2024
- **Deep Learning & Machine Learning Certification**
- Barani Institute of Information and Technology – 2024

DECLARATION

I hereby declare that the information provided above is true and correct to the best of my knowledge and belief.