

# Ali Hassan

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## Profile

A passionate developer with a strong interest in **Web Application Development**. Eager to deepen expertise in frontend and backend technologies, enhance problem-solving skills, and build scalable, user-friendly solutions. Thrives on learning industry best practices to deliver efficient, real-world applications.

## Education

2021/11 – present	<b>BS Computer Science</b> <i>University of Engineering and Technology, Lahore</i>	<b>CGPA 3.03</b>
2019/05 – 2021/09	<b>FSc Pre-Engineering</b> <i>Govt. Degree College, Sharaqpur</i>	<b>A+</b>

## Final Year Project

### Machine Learning Based Non-Invasive Glucose Monitoring System using IoT

MERN | Flutter | Firebase

**Project Summary** Machine Learning-based Non-Invasive Glucose Monitoring System that combines IoT sensors and retina-based diabetes prediction. The system measures glucose levels using IoT sensors and transmits data to a mobile app via Bluetooth. Additionally, it includes a retina scan analysis module for early diabetes detection and a nutrition assistant that provides personalized food recommendations based on real-time glucose readings, enhancing diabetes management through AI-driven insights.

## Projects

### Hostel Management System [🔗](#)

HTML | CSS | JS | PHP | MySQL

The Hostel Management System is a comprehensive solution designed to streamline and automate the management of hostel operations. This system provides an efficient and user-friendly platform.

### Library Management System [🔗](#)

MERN Stack

The Library Management System is a modern, feature-rich application designed to simplify and automate the management of library operations.

### Weather App [🔗](#)

React JS

A weather web app developed with React.js using OpenWeatherApi allows users to get current weather updates and forecasts for any location worldwide.

### Workout Tracker [🔗](#)

MERN Stack

A workout tracker app enables users to efficiently manage their fitness goals by logging exercises, tracking progress, and providing insights into their workout routines.

## Skills

### Programming Languages

C/C++ | Python | SQL

### Back-End

PHP | Node | Express

### Front-End

HTML | CSS | JavaScript | Bootstrap | Tailwind | React

### Database

MySQL | MongoDB | Firebase