



# MUHAMMAD HASSAN

Software Engineer

## Contact

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## Education

(2019-2023)

### BS- Software Engineering

Punjab University College of  
Information Technology

(3.26 / 4.0)

## Skills

### Programming Language

- Javascript
- Python
- C++
- C# , WinForm

### Development

- Web - MERN
- Database - influxDB, SQL
- Android - Android Studio

### Other Technical

- Computer Vision
- Machine Learning
- Data Structures
- Analysis of Algorithms
- Object Oriented Programming
- Version Control

## Experience

### • MERN Stack Developer at Celestials Technologies

Lahore - Pakistan / Jun 2023 - Present

Currently working on the product TESTRTC as a software engineer.  
*Technologies Used : TS,JS, MongoDB, InfluxDb, GCP, Redis, Bull Queue*

### • Software Engineer Intern at Spatial Labs

decision-labs.com / Berlin - Germany / Remote / Jan-Jun 2023

Worked as a Software Engineer on Geo-Spatial projects, developing and implementing GIS applications.

*Technologies Used : Python, JS, Supabase*

### • Teaching Assistant

PUCIT / Lahore

Teacher Assistant for courses:

- Machine Learning - Dr. Adeel Nisar (4/2023 - 8/2023)
- Computer Vision - Dr. Farooq (9/2022 - 3/2023)
- Data Structures and Algorithms - Madiha Khalid (4/2022 - 8/2022)
- Object Oriented Programming - Dr Farooq (9/2021 - 3/2022)

## Projects

### • Final Year Project - Sensors Data Acquisition System

Developed comprehensive software solution for acquiring sensor data from mobile devices, smart watches, and smart glasses for machine learning model training.

*Technologies Used : Android - Java, Frontend - React, Backend - Python*

### • Enterprise Application Development - Meal Ordering App

Developed a web-based meal ordering and tracking system providing users with personalized meal plans and dietary information tracking.

*Technologies Used : dotNet, MVC framework HTML, CSS, Bootstrap, JS*

### • Computer Vision - Weapon Detection System

Implemented a weapon detection system using TensorFlow API for real-time identification of weapons from camera footage, showcasing expertise in computer vision and machine learning.

*Technologies Used : Android - Java, TensorFlow Api*

## Interests

- Watching videos related to new technology and Development