

# MUFASIR TARIQ

## Software Engineer

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Rewaz Garden , Lahore



## SUMMARY

**Fresh graduate in Computer Science** with a strong foundation in Python and proficiency in its frameworks and libraries. Experienced in JavaScript and its libraries, with a solid understanding of Object-Oriented Programming (OOP) principles. Skilled in web development (majorly), computer vision, and machine learning, demonstrating practical knowledge in each field through hands-on projects and coursework. Eager to apply technical skills and academic training to contribute effectively in a dynamic software development.

## SKILLS & STRENGTHS

- Proficient in **Python** with expertise in **Flask** framework for backend development.
- Proficient in **JavaScript** with hands-on experience in **jQuery/AJAX** for dynamic web development.
- Self-learning **Node.js** for server-side JavaScript programming.
- Proficient in both **SQL (MySQL, SQL Server)** and **NoSQL (MongoDB)** databases.
- Experienced in integrating and utilizing **Stripe** for payment processing.
- Skilled in **JSON formatting** for seamless data exchange and integration.
- Languages** : Python, JavaScript, Html, CSS
- Framework** : Flask, Node.js

## TOOLS & TECH

- Visual Studio
- VS Code
- PyCharm
- Mongo DB Compass / Atlas
- WorkBench
- PhpMyAdmin
- Github

## EDUCATION

### Punjab University College of Information Technology (Old Campus), Lahore.

Bachelor of Computer Science - BSCS  
2020 - 2024

### Crescent Model Higher Secondary School(Boys Campus), Shadman, Lahore.

O levels - Majors in Computer Science  
2016 - 2018

## ACADEMIC PROJECTS

### Restaurant Operations System

#### Final Year Project | 2023 - 2024

- Developed backend using **Python's Flask** framework, focusing on **RESTful API** design for efficient client-server communication.
- Managed data with **MongoDB's NoSQL** architecture, ensuring flexibility and scalability in data storage and retrieval.
- Designed responsive interfaces using **HTML, CSS, Bootstrap, and JavaScript** for optimal user interaction.
- Integrated **Stripes** for secure and efficient payment processing.
- Implemented **JSON format** for seamless data exchange between frontend and backend.
- Implemented **session and cookies** for secure user authentication and personalized user experiences.

### Object Recognition Algorithm

#### Computer Vision Course Project | 2022

- Collaborated within a team using **Python and its libraries** to develop a comprehensive project.
- My role involved leading the **training and testing of algorithms** using training datasets, ensuring accuracy and efficiency in model performance assessment.

### Human Posture Detection

#### Machine Learning course Project | 2022 - 2023

- Contributed to a team project utilizing **Python and its libraries** to develop a system for posture detection using data gathered from various sensors.
- Managed datasets**, led algorithm **training**, and conducted **testing** phases to ensure accurate posture identification and system functionality.

### Lahore Investigation Police Department

#### Web Development course Project | 2023 - 2024

- Used **Flask** for backend development, **MySQL Workbench** for database management.
- Implementing **RESTful APIs** with **JSON format** to facilitate efficient data exchange and integration in web applications.