Syed Mustafa Hassan

Computer Science Student

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Summary

Proactive and motivated Computer Science student at UMT with a 3.6 GPA and a strong foundation in C++ and Python. Possesses practical experience in software development through a C++ internship at CodeAlpha, focusing on object-oriented programming, algorithms, and file handling. Currently enhancing communication and technical skills by tutoring peers in OOP concepts. Eager to apply a growing knowledge of machine learning, deep learning, and process automation to a challenging software development role.

Experience

Oct 2025–Present **Peer Tutor (OOP & Programming Fundamentals)**, *University of Management and Technology (UMT)*, Lahore, Pakistan

- Tutor first-year Computer Science students on core concepts of Object-Oriented Programming (OOP) and Programming Fundamentals (PF).
- Assist students with debugging, problem-solving, and understanding complex algorithms.

Aug 2025–Sep 2025 **C++ Programming Summer Intern**, *CodeAlpha*, Lahore, Pakistan (Remote)

- Developed and implemented multiple C++ projects, applying core language features and logic.
- Applied object-oriented programming (OOP) principles, data structures, and file handling concepts.
- Managed project source code using Git and GitHub, including creating public project demos.

Education

2024–2028 (Expected) **Bachelor of Science, Computer Science**, *University of Management and Technology (UMT)*, Lahore, Pakistan, Grade: 3.6/4.0

Skills

Programming Languages	C++, Python, SQL
Development Concepts	Object-Oriented Programming (OOP), Data Structures, File Handling, File I/O, API, Front-End Development
AI & Machine Learning	Machine Learning, Deep Learning, Neural Networks, Convolutional Neural Networks (CNN)
Tools & Platforms	Git, GitHub
Data Formats & Automation	JSON, Process Automation

Projects

Oct 2025 **Python Voice Assistant**, *Personal Project*

Developed a Python-based voice assistant with AI integration, automation features, and multi-platform command execution.

Licenses & Certifications

Sep 2025 LinkedIn: Using Python for Automation

Aug 2025 LinkedIn: Artificial Intelligence Foundations: Neural Networks

Aug 2025	LinkedIn: Deep Learning with Python: Convolutional Neural Networks
Jun 2025	Meta: Programming in Python
Feb 2025	Meta: Introduction to Back-End Development