

# Muhammad Mahad

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## Summary

Dedicated and results-driven Automation Engineer with a strong foundation in multiple programming languages, including Python, Java, C, C++, and Verilog (Gate-Level and Dataflow), complemented by expertise in Bash scripting. Proficient in cloud computing and adept at debugging complex code, I have consistently showcased my ability to collaborate effectively within cross-functional technical teams to identify and implement innovative solutions for intricate problem-solving challenges.

My background includes a solid foundation in Object-Oriented Programming (OOP) principles, encompassing extensive experience in Java and C/C++, allowing me to architect and deliver efficient and maintainable solutions.

My proficiency extends to web development, enhancing the breadth of my technical skills.

Furthermore, I am well-versed in the Google Cloud Platform (GCP), where I have demonstrated my prowess in leveraging cloud technologies to drive process optimization and system scalability.

Exceptional communication and leadership skills, honed throughout my academic and professional journey, empower me to foster a collaborative and productive work environment. My ability to convey complex technical concepts in clear and accessible terms lends itself well to teaching and mentoring, making me an asset for knowledge transfer within the team.

I have a keen interest in project management, and my proficiency with C#, Unity game engine, and my expertise in technical troubleshooting and debugging uniquely position me to excel in roles that require dynamic problem-solving and leadership. My fluency in English complements my ability to communicate and collaborate effectively across diverse teams and settings.

## Experience



### Summer Intern

National University of Sciences and Technology (NUST)

Jul 2023 - Sep 2023 (3 months)

Worked as an administration and management intern at the NUST Placement Office (NPO). I was responsible for various tasks including the data collection for the QS world ranking.



### Volunteer

Alkhidmat Foundation Pakistan

Sep 2023 - Oct 2023 (2 months)

At the Alkhidmat Foundation, I worked as a volunteer intern. I volunteered with other interns at the Child Protection Center (CPC), Alkhidmat Raazi Hospital, and the Aagosh College Murree. As a final project, we raised funds for a tree plantation drive which was a part of the clean-green Pakistan movement.



### Python Developer

Self Employed

Aug 2022 - Present (1 year 3 months)

Self-employed freelancer, proficient in software development.

## Education



### **National University of Sciences and Technology (NUST)**

Bachelor's degree, Computer Science

2022 - 2026

Studied Fundamentals of Information and Communication Technology, Fundamentals of Computer Programming (C, Python and C++), Object-Oriented Programming (Java), Digital Logic Design (Verilog gate-level and dataflow with Proteus Simulation), and Communication and interpersonal Skills.

## Licenses & Certifications



### **Functional Training Specialist Certification - DigiSkills.pk**

GG8JXY7MK



### **Certification & Training Program (CIT) - DigiSkills.pk, an online educational institute**

7UKTHD6MK



### **Google IT Automation with Python Specialization - Coursera**

BPKJ8RVFMFJG



### **English Proficiency Certificate - Duolingo English Test**

Issued Jan 2023 - Expires Jan 2025

## Skills

Java • Bash • Troubleshooting • Google Cloud Platform (GCP) • Object-Oriented Programming (OOP)  
• English • C++ • Web Development • Teaching • Management

## Honors & Awards



### **Blood Donation Certificate - Jamila Sultana Foundation**

Oct 2023

Appreciation for being a regular blood donor for thalassemia patients.



### **Certificate of Participation - NUST ACM Student Chapter**

Jan 2023

CODE O'CLOCK - A hands-on workshop on programming fundamentals.



### **NUST Cultural Fest'23 Certificate of Appreciation - NUST Bazm-e-Pakistan**

May 2023

An acknowledgement for contribution as Executive Publications for NUST Cultural Festival 2023.