

# Muhammad Ali

Software Engineer

## CONTACT

Phone: +92 307 8667883

Address: Rawalpindi

Email: imranmuhammadali633@gmail.com

GitHub: www.github.com/muhammadali-imran

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## OBJECTIVE

Third-year Bachelor's student in Software Engineering with hands-on experience in Python web development. Seeking a Software Engineering Internship to apply and expand my coding skills, with a strong interest in contributing to and learning modern DevOps practices.

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## EDUCATION

### National University of Sciences and Technology | 2023-Present

Bachelors of Engineering in Software Engineering

- GPA: 2.47
  - Core Courses: FOP, OOP, DSA, DDA, Computer Architecture, OS, Cloud Computing, Networks, Software Architecture and Design, Software Construction, Machine Learning, Quantum Computing
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## PROFESSIONAL EXPERIENCE

### Research Intern | Aug,2025-Sep,2025

Centre of Excellence for Technology Quantum and Artificial Intelligence

- Researched quantum computing fundamentals before specializing in and implementing a lattice-based quantum cryptographic system for a final project.
  - Designed and built a functional quantum cryptography prototype (lattice-based), progressing from theoretical learning to hands-on development.
  - Delivered a working quantum-resistant encryption prototype, demonstrating self-directed learning and applied research skills in a specialized NGO setting.
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## TOOLS AND TECHNOLOGIES

C++	JAVA	Python	Django	FastAPI	Flask	GraphQL	REST API
Figma	Canva	HTML	CSS	React JS	Linux	Bash Scripting	
MySQL	SQLite	Docker	AWS Cloud	Git/GitHub	UML Diagrams		
GitHub Actions	Jenkins	Qiskit	Scikit-learn	Numpy	Tensor Flow		
Pandas	Matplotlib	Matlab	PyTest	UniTest	Kubernetes		

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## CERTIFICATES

### Code Quest | 2025

Ended at 3<sup>rd</sup> spot in web dev competition

### Google IT Automation | 2025

Complete all 7 courses with 90% result

### Git & GitHub Workshop | 2025

Earned by Software Society

### Extensive Community | 2025-

Software Society, NUST