

Muhammad Muzammal Abbas

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EDUCATION

Bachelors in Computer Software Engineering (NUST)

(CGPA: 3.23/4)

EXPERIENCE

CubeSat Mission PK Trailblazer (APSCO)

Islamabad, Aug 2024 – Present

Working on the engineering model of a 3U CubeSat mission for the PK Trailblazer project under APSCO. The mission aims to monitor glaciers and predict disasters in the Karakoram, Himalaya, and Hindu Kush ranges at an altitude of 500 km by tracking glacier dynamics, ice melt, and glacial lake formations.

InoTech Solutions

Islamabad, July – Sept 2024

Developed an internship management system handling 150+ intern applications using PHP/MySQL.
Automated HR workflow, reducing manual processing time by 40%.

Discovery Gardens

Islamabad, Apr – May 2024

Conducted A/B testing to optimize website layouts, improving conversions.
Analyzed heatmaps and user engagement to enhance navigation.

NADRA HQ

Islamabad, Aug – Sept 2023

Designed a language learning platform for 500+ users, boosting engagement by 35%.

PROJECTS

MyConsultor — *FlutterFlow, OpenAI, Google Cloud Functions, Vector Stores*

2024 – Present

Developed a legal consultation chatbot using OpenAI Assistant API, integrated Spanish BOE API for real-time legal data, and implemented vector stores for efficient processing.

Try-on Cart (AI/ML) — *Python, Next.js, Node.js, MongoDB*

2024 – Present

Developing a virtual dress try-on system and size recommendation with 85% accuracy using HR-VITON and OpenCV.

Gestmotor Project — *FlutterFlow, Firebase, AWS, Google Cloud Functions*

2024 – 2025

Built a vehicle information system for Spain with document verification, ownership authorization, and tax calculations using real-time taxation APIs.

Internship Management System — *PHP, MySQL*

2023

Created for InoTech Solutions to manage internship applications, allowing HR to approve/reject applications and assign advisors.

Fitness Management System — *React, Node.js, Firebase*

2023

Handled 200+ daily transactions for fitness products with a seamless checkout process and real-time updates.

Food Ordering App — *Vite, Tailwind, Node.js*

2023

Developed live order tracking, secure checkout, and user-friendly menus with Auth0 authentication.

TECHNICAL SKILLS

Languages: Python, JavaScript, PHP.

Databases: MySQL, PostgreSQL, MongoDB, Firebase

Frameworks: React, Bootstrap, Tailwind CSS, Node.js, Express.js, Next.js, FlutterFlow.

AI/ML: OpenAI APIs, Stable Diffusion, Hugging Face Models, Vector Stores, Embeddings

EXTRACURRICULAR ACTIVITIES

Chief Director, DevCon'25 Organized and managed DevCon'25, facilitating participation of 25+ universities, overseeing 4 technical competitions, and coordinating a social night by liaising with HODs, Deans, and higher authorities.

Campus Ambassador Represented 10+ organizations as a campus ambassador.

Certifications Earned 8+ certifications in AI/ML, Web Dev, R, Information Security, and other technical domains.

Trip Coordinator Arranged and managed student trips to Tolipeer and Mushkpuri for 100+ participants, ensuring seamless logistics, transportation, and accommodations.