

MUHAMMAD TAHA KHAN

MERN Stack Developer — Generative AI

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Education

National University of Sciences and Technology (NUST)

Bachelor of Engineering in Software Engineering

Nov 2021 – June 2025

Islamabad, Pakistan

Abbottabad Public School

Intermediate (Pre-Engineering)

2019 – 2021

Abbottabad, Pakistan

Relevant Coursework

- Data Structures and Algorithms
- Machine Learning
- Web Engineering
- Deep Learning
- Database Systems
- Large Language Models

Technical Skills

Programming Languages: JavaScript, Python, C++, HTML/CSS

Frameworks and Libraries: Generative AI, MERN, Next.js, Firebase, Langchain

Databases: MySQL, MongoDB

Tools and Platforms: Git, Google Cloud, Docker

Experience

Full Stack Developer

TDMC

June 2025 – Present

London · Remote

- Developing AI-powered CRM systems and full-stack web applications using Next.js and MERN stack with generative AI integration.

MERN Developer Intern

WALEE Lab, SEECS

June 2024 – August 2024

Islamabad, Pakistan

- Developed responsive web apps with backend integration and optimized performance.

Freelance Web Developer

Self-employed

December 2023 – Present

Remote

- Developed web applications using MERN stack and Next.js.
- Specialized in UI/UX and backend optimization.
- Built AI-powered chatbot applications using LangChain.

Projects

Metro Shoes Clone (E-commerce App) | MERN Stack

August 2024

- Developed a full-fledged e-commerce platform mimicking Metro Shoes, using MongoDB, Express.js, React, and Node.js. Implemented authentication, product management, cart functionality, and secure payment integration. Ensured a responsive UI and optimized performance for smooth user experience.

Music Tutorial Website | Next.js, Tailwind CSS

October 2024

- Built an interactive website for music learners using Next.js and Tailwind CSS. Integrated video tutorials, interactive lessons, and a progress tracking system. Implemented authentication, user dashboards, and a personalized learning experience.

Ball Wijzer – Football Analytics Chatbot | Python, LangChain, FastAPI, Deep Learning

FYP

- Developing an AI-powered chatbot for football analytics, integrating LLMs with real-time football data APIs and video analysis. Features include Game Flow visualization, player performance tracking, and tactical insights using computer vision and deep learning models. The system processes match footage to detect formations and key events.

Leadership / Extracurricular Activities

Organising Member of Palestine Relief Fair

Fundraising Event

Dec 2023

NUST

- Coordinated fundraising event, managing stalls and vendors, raising 1.5 Lac Rs for Gaza via Al-Khidmat Foundation.

NUST Cricket Team Member

Sports

2023-2024

NUST

- Represented NUST in inter-university tournaments, showcasing teamwork and sportsmanship.