

# MUHAMMAD TAYYAB

MERN STACK DEVELOPER

+92-3074369732

mu.tayyab001@gmail.com

<https://tayyab16-portfolio.netlify.app/>

## PROFILE INFO

Performance-driven Web Developer eager to fulfill diverse web-based requirements. Contributed to the development and testing of full-stack web applications using the MERN stack. Acknowledged for reliability and adept multitasking. Proficient in React.js, Node.js, Express and MongoDB.

## EXPERIENCE

### August 2023 - October 2023

CODSOFT - Remote

#### Web Development Intern

- **Innovative Feature Advocate:** Pitched feature improvements to the developer team, contributing to the enhancement of applications and user experience.
- **Creative Collaboration:** Collaborated with project managers and the development team in brainstorming sessions, fostering the generation of fresh ideas and creative solutions.
- **Front-End Development Expertise:** Developed user interfaces using modern JavaScript frameworks, HTML5, and CSS3, ensuring a contemporary and seamless user experience.
- **Effective Problem Solver:** Demonstrated the ability to prioritize and solve multiple tasks concurrently.

### October 2023 - Current

Teacher's Assistant

#### University Of Engineering And Technology - Lahore

- **Guided Learning:** Facilitated comprehension of course material for first-semester students through clear explanations and active engagement.
- **Effective Communication:** Fostered an inclusive learning environment by conveying complex concepts with clarity and collaborating seamlessly with professors and peers.
- **Personalized Support:** Provided tailored assistance to individual students, offering constructive feedback, one-on-one sessions, and organizing study groups for enhanced comprehension.
- **Administrative Efficiency:** Managed grading, student progress tracking, and logistical coordination.

## EDUCATION

### University of Engineering & Technology, Lahore

Bachelor's of Science in Computer Science

Expected in September 2026

### Ideal Group of Colleges, Sheikhpura

Intermediate/A-Levels (Pre-Engineering)

2020 - 2022

### Punjab Public High School, Sheikhpura

Matric/O-Levels

2018 - 2020

## LANGUAGES

- English
- Urdu
- Punjabi

## REFERENCE

### Muhammad Faraz

- Email: [m.faraz@uet.edu.pk](mailto:m.faraz@uet.edu.pk)
- Professional Relationship: **Teacher**

### Faizan Asim

- Email: [mr.faizan.asim@gmail.com](mailto:mr.faizan.asim@gmail.com)
- Professional Relationship: **Colleague**

## PROFESSIONAL SKILLS

---

- React.js
- Node.js
- Tailwind CSS
- MongoDB
- C++
- Express.js
- Material UI
- MS SQL Server
- C#
- JavaScript (ES6+)
- Git and Github
- Web Sockets

## SOFT SKILLS

---

- Team Leadership
- Project Management
- Effective Communication
- Problem-Solving
- Time Management
- Collaboration

## ACADEMIC PROJECTS

---

### Healthcare Data Analysis (Database Project)

- Designed database using MS SQL Server.
- Frontend was managed using React Js, Ant Design, Tailwind CSS and Redux Toolkit Query (RTK).
- Backend was constructed using Node Js and Express Js.
- Github : [github.com/tayyab-10/Hospital-Management-System](https://github.com/tayyab-10/Hospital-Management-System)

### Teacher Evaluation Assistant (Database Project)

- Established database using MS SQL Server.
- Frontend was done using Winforms.
- Backend was executed using C#.
- Github : [github.com/tayyab-10/Teacher-Evaluation-Assistant](https://github.com/tayyab-10/Teacher-Evaluation-Assistant)

### Mini-Excel (DSA Project)

- Created a mini-excel tool utilizing advanced data structures and algorithms in C++.
- Supported spreadsheet operations including cell computation and data visualization using Quadruple Linked List.
- Github : [github.com/tayyab-10/Mini\\_Excel](https://github.com/tayyab-10/Mini_Excel)

### Notepad (DSA Project)

- Developed a notepad application focusing on efficient data structures and algorithms in C++.
- Enhanced text processing and management functionalities using Doubly Linked List.
- Github : [github.com/tayyab-10/Notepad](https://github.com/tayyab-10/Notepad)

## Flight Reservation System (OOP Project)

- Engineered a flight management system using Object-Oriented Programming principles such as Polymorphism, Inheritance, Association/Composition, Abstraction and Encapsulation.
- Frontend was built in Winforms.
- Backend was constructed in C#
- Github : [github.com/tayyab-10/Flight\\_Reservation\\_System](https://github.com/tayyab-10/Flight_Reservation_System)

## SELF PROJECTS

---

### NoteVault (MERN Project)

- Established database using MongoDB Compass.
- Frontend was done using React.js, Context API, Material UI, AntDesign.
- Backend was executed using Node.js and Express.js.
- Github : [github.com/tayyab-10/NoteVault](https://github.com/tayyab-10/NoteVault)

### DocuVerse (MERN Project)

- Established database using MongoDB Compass.
- Frontend was done using React.js, Context API, Material UI, Ant Design, Tailwind CSS
- Backend was executed using Node.js, Express.js and Socket.io
- Github : [github.com/tayyab-10/DocuVerse](https://github.com/tayyab-10/DocuVerse)

### HeadlineHub (React.js Project)

- Frontend was done using React.js, BootStrap
- Fetched news from an external API
- Github : [github.com/tayyab-10/HeadlineHub](https://github.com/tayyab-10/HeadlineHub)

### Nike Landing Page (React.js Project)

- Built a modern landing page is a showcase of Tailwind CSS and React.js combined in a Vite React app.
- Live Preview : [nike-landing-page-sn.netlify.app](https://nike-landing-page-sn.netlify.app)
- Github : [github.com/tayyab-10/Nike\\_Landing\\_Page](https://github.com/tayyab-10/Nike_Landing_Page)

## CERTIFICATIONS

---

- Certified Software Engineer - **IBM**
- Certified React.js Developer - **META**
- Certified SQL Developer - **HackerRank-Advanced**
- JavaScript-Intermediate - **HackerRank**

## INTEREST

---

- Managing Social Media Presence
- Creating Websites
- Taking part in Hackathons