

Muhammad Taha Amin

0340-1762191 | [Portfolio](#) | [LinkedIn](#) | [Github](#) | [Email](#)

Summary: A passionate Web Developer skilled in MERN Stack, C++, and modern web technologies. Dedicated to building intelligent, responsive, and user-focused applications while constantly learning and exploring innovative ideas.

Technical Skills:

- **Frontend** - TailwindCSS, JavaScript, React js, Redux, TypeScript
- **Backend** - Node.js, Express.js, FastAPI
- **Database** - MongoDB, MYSQL, Firebase
- **Other** - Python (Machine Learning), C++, Object Oriented Programming (OOP)

Experience:

Back End Instructor — *Decentral Developers* (Contract)

Jan 2025 – Mar 2025 | Remote

- Taught backend development using MERN Stack (Node.js, Express.js, MongoDB).
- Covered JWT authentication, RESTful APIs, AWS deployment, and Node.js internals (Event Loop, Event Emitters).
- Delivered hands-on lessons on Express.js routing, middleware, and error handling through real-world projects.

Projects:

AniBuddy - [Demo](#) | [Code](#)

- Full-stack anime recommendation app using a custom KNN model (Python + FastAPI, Next.js frontend).
- Multi-page app with anime tracking and personalized suggestions from watch lists.
- Firebase handles authentication and storage.

Playlist Pal - [Demo](#) | [Code](#)

- React app that calculates total, watched, and remaining YouTube playlist duration.
- Responsive, minimal UI with real-time YouTube Data API integration.

Ping Pong Game - [Demo](#) | [Code](#)

- Developed a 2-player Pong game using the HTML Canvas API.
- Consistent 60 FPS gameplay with smooth paddle movement and real-time collision response.
- AABB collision detection and directional physics to simulate realistic ball behavior.
- 100% keyboard-controlled and optimized for desktop browsers.

SCET Website - [Demo](#)

- Prototype website for university, designed as a multi-page static site.
- Focused on clean structure, accessibility, and modernized layout for departmental use.

Education:

UET Lahore (Affiliated) | Bachelor's Degree in **Computer Science** | October 2023 - Current