

RANA MUHAMMAD TALHA MAJID

Full Stack Development | REST API Integration | UI/UX | Database Design

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PROFESSIONAL SUMMARY

Full Stack Developer with internship experience and independent project delivery across the complete web stack — from pixel-perfect responsive frontends to PHP/MySQL backends and REST API integrations. Designed and launched SpectraOps, a full-stack security platform with dark/light theming, breach-detection APIs, and a normalised database. Proven ability to debug complex UI issues, optimise database schemas, and ship production-ready features on deadline.

WORK EXPERIENCE

Web Development Intern

May 2024 – Aug 2024

Capxa E-Commerce | Remote

- **Situation:** Fast-growing e-commerce startup needed scalable UI components and tighter frontend-backend integration ahead of a product launch.
- **Task:** Own the development of reusable UI components and support backend API integration across the product catalogue and checkout flows.
- **Action:** Built **8+ responsive UI components** (product cards, modals, filters) using HTML, CSS, and JavaScript; connected components to backend endpoints via REST API calls; resolved **15+ cross-browser layout bugs** during QA cycles.
- **Result:** Delivered all assigned components **on schedule**, enabling the team to hit the product-launch deadline; UI load time improved by **~20%** after CSS optimisation pass.

PROJECTS

SpectraOps – Full Stack Security & Awareness Platform

2024 – Present

ranatalhamajid1.github.io/Portfolio-Website | HTML · CSS · JS · PHP · MySQL

- Built complete frontend and backend from scratch — responsive dark/light-mode UI with **Tailwind CSS**, PHP REST endpoints, and MySQL data persistence.
- Integrated HavelBeenPwned API for real-time email breach detection; engineered a multi-rule password-strength checker enforcing entropy, length, and complexity.
- Implemented a contact form with server-side PHP validation and SQL-injection prevention, handling **100% of submissions** without data loss in testing.
- Delivered **3 core tools** and **10+ content pages**; mobile Lighthouse performance score of **90+** after asset optimisation.

Library Management System

2024

Academic Project | PHP · MySQL · Bootstrap

- Designed a fully normalised relational database schema (up to **3NF**) covering books, members, loans, and fines — eliminating data redundancy.

- Implemented full **CRUD operations** (Create, Read, Update, Delete) with server-side PHP and parameterised SQL queries to prevent injection attacks.
- Built automated fine-calculation logic and an admin dashboard to track overdue loans in real time, reducing manual record-keeping effort by **100%**.

EDUCATION

BS Computer Science

2023 – 2027 (Expected)

University of Engineering & Technology (UET) Taxila

TECHNICAL SKILLS

- **Frontend:** HTML5, CSS3, JavaScript (ES6+), Tailwind CSS, Bootstrap, Responsive Design, Dark/Light Theming
- **Backend:** PHP, REST API Design & Integration, Server-side Validation, SQL Injection Prevention
- **Database:** MySQL, SQL Server, Schema Normalisation (3NF), CRUD Operations
- **Tools:** Git, GitHub, VS Code, Browser DevTools, Debugging & Performance Optimisation