

Hammad Ali

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GitHub

LinkedIn
Portfolio

EDUCATION

FAST NUCES Islamabad

Bachelors Computer Science

August 2022 - August 2026

OPF Boys College Islamabad

Intermediate in Pre-Engineering, 90%

2020 - 2022

Matriculation in Computer Science, 94%

2018 - 2020

SKILLS SUMMARY

- **Programming & Web Development:** Python, Java, C/C++, JavaScript, HTML/CSS, CUDA, React, Next.js, Node.js, Express, TailwindCSS
- **Databases:** SQL, NoSQL (MySQL, PostgreSQL, MongoDB)
- **Soft Skills:** Leadership, Communication, Time Management, Teamwork, Report Writing

WORK EXPERIENCE

WordPress Developer Intern

Developers Hub Pvt. Ltd.

June 2023 - August 2023

- Developed and delivered 15+ WordPress websites for real clients, meeting all project requirements and deadlines

Freelance Developer

Self-Employed (Upwork)

June 2024 - Present

- Built a complete landing page for a WordPress website
- Developed backend system for LabEase - a laboratory management website with user authentication and data tracking
- Built a MERN stack web app for Admin and HRs to manage employee performance, set goals, provide feedback, and view analytics

PROJECTS

Collaborative Whiteboard

- Built a real-time whiteboard using WebSockets enabling multi-user drawing and live sync.

FASTbook - Social Media Desktop App (Java, JavaFX)

- Created a JavaFX desktop app with chat, secure login, posts, likes, and friend requests.

Reactify Mart - Ecommerce Website

- Developed a full-stack e-commerce site with Stripe payments, OAuth, and inventory management.

Tetris, Space Shooters, Pacman (C++ / SFML)

- Recreated arcade games using SFML; Pacman features multithreaded ghost AI via `pthreads`.

Dynamic SSSP on Graphs (OpenMP, MPICH)

- Implemented a parallel Single-Source Shortest Path algorithm for dynamic undirected graphs using OpenMP and MPI.

Scrumban Project Management System

- Designed a GitHub-like system with file storage, Kanban board, to-do lists, and Scrumban workflows for agile teams.