

Muhammad Hasaam

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PROFILE

Software Engineering student with hands-on experience in **full-stack web development** (Next.js, NestJS, PostgreSQL, Prisma, Bun). Strong foundation in **programming, data structures, backend fundamentals**, and active involvement in **projects, competitive programming, and teamwork**.

EDUCATION

National University of Computer and Emerging Sciences, Islamabad, Pakistan
Bachelor of Science in Software Engineering (In Progress)

2024 - Present
CGPA: 3.76/4.00

Relevant Coursework: Programming Fundamentals, OOP, Data Structures, Software Engineering, Databases

PROGRAMMING SKILLS

- **Frontend:** Next.js, React.js, JavaScript, HTML, CSS, Tailwind CSS
- **Backend:** NestJS, Node.js, Express.js, REST APIs, OAuth
- **Database:** PostgreSQL, MongoDB, Prisma ORM, Supabase
- **Tools:** Git, GitHub, Bun, Turborepo, Postman, VS Code
- **Basics:** C++, Data Structures & Algorithms

EXPERIENCE

Full-Stack Developer – Prime Innovators

Dec 2025 – Present

- Working on web applications using **Next.js, NestJS, Bun, PostgreSQL, and Prisma**.
- Implementing user authentication using **OAuth**.
- Learning and applying clean code and teamwork practices.

Lab Demonstrator – Programming Fundamentals, FAST University

Sep 2025 – Dec 2025

- Assisted 2 classes (CYBER & SE) with lab exercises and coding tasks.
- Guided students on programming concepts and debugging techniques.

Web Development Officer – FAST Software Engineering Society

Sep 2025 – Dec 2025

- Maintained society's website and web apps, gaining experience with **RAG concepts** and teamwork.

PROGRAMMING PROJECTS

Personal Finance Manager

Jan 2026 – Feb 2026

- Building a web app to track income, expenses, budgets, and categories.
- Implementing JWT-based authentication and CRUD functionality.
- Developing a dashboard with summaries, trends, and charts.
- Using Bun (Next.js + NestJS + Prisma), Turborepo, and Flox for development.
- Github: <https://github.com/M-Hasaam/FinanceTracker-public>

Messenger Web Application

Dec 2025

- Developed a web-based messaging application as a learning-focused project.
- Used Supabase (PostgreSQL) for centralized data storage.
- Implemented OAuth-based login.

University Timetable Web Application – FAST (Completed, minor bugs)

Aug 2025

- Built a web-based timetable management system for FAST students.
- Fetches live timetable data from FAST sheets using a Python pipeline via GitHub Actions.

Personal Portfolio Website

Aug 2025

- Designed a responsive portfolio, enhancing UI/UX and adding new features.

Password Manager Web Application

July 2025

- Built a full-stack password manager with separate frontend, backend, and MongoDB database.

TECHNICAL COMPETITIONS

Bug Buster – Soventure '25, FAST, Islamabad

Nov 2025

- 1st place: Debugged and optimized C++ programs under time constraints.
- Showcased strong problem-solving and algorithmic thinking.

Speed Competition – FETEX '24, IIUI, Islamabad

Dec 2024

- 1st place: Solved competitive C++ coding challenges efficiently.
- Applied logical reasoning and optimized coding strategies.

ADDITIONAL SKILLS AND INTERESTS

Languages: English (Intermediate), Urdu (Native)

Technical Skills / Learning: Full-Stack Modern JS (Next.js, NestJS), SFML, Competitive Programming (LeetCode 350+)

Interests: Problem-Solving, Algorithms, Open Source, Design, Development.