

MUHAMMAD TAHIR SUNDHU

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PROFILE

Results-driven Computer Science undergraduate skilled in full-stack development (React.js, Next.js, Node.js) and applied AI. Built scalable applications with 30% faster load times via code optimization. Developed an AI-powered job recommendation system using TensorFlow and Puppeteer-scraped data to enhance matching accuracy. Passionate about leveraging modern tools like MongoDB and Docker to deliver efficient, user-centric solutions.

EDUCATION

National University of Computer and Emerging Sciences, (Fast Nuces University)

Islamabad, Pakistan

B.S. Computer Science

August 2022 – Present

- **CGPA:** 3.26
- **Relevant Courses:** Object Oriented Programming (OOP), Data Structures & Algorithms (DSA), Design and Analysis of Algorithms, Database Systems (SQL), Operating Systems (OS), Computer Networks, Linear Algebra, Probability & Statistics, Software Design and Analysis (SDA), Artificial Intelligence (AI).

PROFESSIONAL EXPERIENCE

Fast Nuces University

Islamabad, Pakistan

Lab Demonstrator of (Operating Systems & Coal (Assembly language), CNet)

September 2024 – Present

Designed and delivered 60+ lab sessions on Operating Systems and Assembly Language, improving student comprehension through interactive debugging exercises, resulting in 90%+ positive feedback.

Funavry Technologies

Islamabad, Pakistan

Software Developer (internship)

May 2024 – September 2024

- Developed and maintained responsive web applications, ensuring seamless user experiences.
- Debugged and resolved front-end and back-end issues to optimize application performance and user experience.
- Collaborated with cross-functional teams to integrate APIs, implement scalable features, and enhance web functionality.
- Built 5+ responsive web applications using React.js, Next.js and Node.js, reducing page load times by 30% through code optimization and lazy loading techniques..

PROJECTS

HireFusion website (AI-based + Scraping)

Islamabad

Cross-Functional Team Project

Jan 2025 – Present

Tech Stack: Next.js, Puppeteer, MongoDB Atlas

- Scraped job listings from 6+ major platforms (Indeed, Glassdoor, LinkedIn, Upwork, etc.) using Puppeteer
- Built a responsive frontend with SSR using Next.js for SEO and fast load times
- Stored and managed 10K+ job listings using MongoDB Atlas
- Integrated user activity tracking to enable future AI-based job recommendations
- Version-controlled and modularized codebase hosted on GitHub for team collaboration

FarmConnect website

Islamabad

Cross-Functional Team Project

Nov 2024 – Dec 2024

- Engineered a scalable agricultural platform connecting 100+ farmers to buyers using Spring Boot and Supabase, reducing transaction times by 40%.
- Integrated RESTful APIs for real-time inventory updates, enhancing user engagement with dynamic data visualization.
- Leveraged *GitHub* for version control and *Docker* for containerized deployment, ensuring scalability and maintainability.

Customer Management Software (CMS)

Remote

Personal Project

Aug 2024 – Sep 2024

- Built a robust CMS for an American startup using *Python*, *SQL*, and *Flask*, focusing on streamlining customer data and workflow automation.
- Managed the project with *GitHub* for collaboration and used *Postman* for API testing and validation.

TS Collection website

Islamabad

Personal Projects

May 2024 – Sep 2024

- Developed a fully responsive e-commerce platform with *React.js*, *Next.js*, *Node.js*, *Express.js*, and *SQL*, implementing secure payment integration and dynamic product management.
- Utilized *GitHub Actions* for CI/CD pipelines and optimized performance with *Webpack* and *Babel*.

ACTIVITIES & LEADERSHIP

Fast Computing Society (FCS)

Islamabad, Pakistan

Senior Member

- *Organized 10+ MERN stack and AI bootcamps, increasing participation by 25%*

November 2023 – Present

Buddy Programe (Batch 2024)

Islamabad, Pakistan

Enthusiastic Teacher

- *Guided 30+ freshmen in MERN stack project development, achieving a 95% retention rate.*

August 2024 – Dec 2024

Fast Cricket Team

Team Captain

- *Led team to 2nd place in university tournament, honing strategic planning skills*

Islamabad, Pakistan

September 2023 – Present

SKILLS & INTERESTS

Technical Skills:

- **MERN Stack: MongoDB, Express.js, React.js, Node.js**
- **Frontend: HTML, CSS, TypeScript, Tailwind CSS, Next.js**
- **AI/ML: Python, TensorFlow, Scikit-learn, NLP APIs, Recommendation Systems**
- **Databases: MongoDB, PostgreSQL, Supabase, SQL**
- **Tools/DevOps: Git, GitHub, Docker, GitHub Actions, Postman, Vercel, CI/CD**
- **Languages: JavaScript, Python, C++, Java**

Interests: Open-Source MERN/ML Contributions, Investing, Poker, AI-driven App Development, Music Production

Languages: English (Intermediate), Dutch or German (Basic), Urdu (Native)