

Taha Shahid

📍 Lahore, Pakistan ✉ tahashahid203@gmail.com ☎ +92 323 4920127 in Taha Shahid 🌐 Taha Shahid

Professional Summary

Computer Science student specializing in full-stack development with expertise in AI/ML integration, real-time systems, and social media automation. Experience with Next.js, TypeScript, Python, and modern APIs including Instagram Graph API and HuggingFace models.

Education

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| University of Engineering And Technology Lahore – BS Computer Science | <i>2022-2026</i> |
| <ul style="list-style-type: none"> ◦ Coursework: OOP, Data Structures, AI, Software Engineering, Database Management | |
| Government College University Lahore – FSc | <i>2020-2022</i> |
| <ul style="list-style-type: none"> ◦ Extracurricular Activities: President for Dr. Abdul Salam Society for Mathematics, responsible for managing trips and teaching Maths to juniors | |

Projects

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| MiniMumin - Islamic Learning App | <i>Educational Platform</i> |
| <ul style="list-style-type: none"> ◦ ASR/TTS Lead: Implemented Whisper models (medium for Arabic/Urdu, small for English) for voice-based chatbot interactions and Ayat recitation assessment using Levenshtein distance algorithm ◦ Built multilingual speech processing system with real-time feedback and pronunciation accuracy scoring ◦ Tech: Next.js, HuggingFace Transformers, Whisper ASR, Python, TTS APIs ◦ Website Link: https://mini-mumin.vercel.app/ 🔗 | |
| Instagram DM Automation Platform | <i>Social Media SaaS</i> |
| <ul style="list-style-type: none"> ◦ Built automation platform for Instagram users with keyword-triggered replies and AI chatbot integration for e-commerce sellers ◦ Implemented Instagram Graph API integration with OAuth 2.0 and webhook processing for real-time messaging ◦ Developed tiered subscription model with Stripe integration and navigated Meta app review process ◦ Tech: Next.js, TypeScript, Instagram Graph API, MongoDB, Stripe, OpenAI API ◦ GitHub: github.com/TahaShahid203/Instagram-DM-Automations 🔗 | |
| Stack Overflow Clone | <i>Q&A Platform</i> |
| <ul style="list-style-type: none"> ◦ Built comprehensive Q&A platform with user authentication, code syntax highlighting, and reputation system ◦ Implemented secure API with MongoDB integration and Zod validation for data integrity ◦ Tech: Next.js, MongoDB, TypeScript, Zod, Tailwind CSS, Clerk ◦ GitHub: github.com/TahaShahid203/stackoverflow_clone_with_nextjs 🔗 | |
| Notion Clone - Collaborative Workspace | <i>Real-time Platform</i> |
| <ul style="list-style-type: none"> ◦ Developed real-time collaborative document editor with multi-user cursor tracking using Liveblocks ◦ Built workspace management with document versioning and permission-based access control ◦ Tech: Next.js, Firebase, TypeScript, Liveblocks, Slate.js ◦ GitHub: github.com/TahaShahid203/SEProject 🔗 | |
| Threads App Clone | <i>Social Media Platform</i> |
| <ul style="list-style-type: none"> ◦ Created social networking app with infinite nested comment threading and optimized database queries ◦ Implemented user profiles, following system, and image upload with Cloudinary integration ◦ Tech: Next.js, MongoDB, TypeScript, React Hook Form, Cloudinary ◦ GitHub: github.com/TahaShahid203/Threads_App_Clone 🔗 | |

Technical Skills

Languages: JavaScript, TypeScript, Python, C++, SQL — **Frameworks:** Next.js, React, Node.js, Express.js
AI/ML: HuggingFace Transformers, Whisper ASR, OpenAI API, TTS/Speech Processing
APIs & Integrations: Instagram Graph API, Meta Webhooks, Stripe, Liveblocks, Cloudinary
Databases: MongoDB, PostgreSQL, Firebase — **Cloud:** AWS (EC2, S3), Firebase, Docker
Tools: Git/GitHub, Zod, Tailwind CSS, Socket.io, Prisma ORM, React Hook Form

Certifications

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|---|---|
| JavaScript Algorithms & Data Structures – freeCodeCamp | Certificate 🔗 |
| Responsive Web Design – freeCodeCamp | Certificate 🔗 |

Leadership & Activities

AI Co-Lead – *Google Developer Society, UET Lahore*

2024 – Present

- Lead AI/ML initiatives and provide technical guidance for university developer community