

M.TAYYAB SOHAIL

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Software Engineer | Full-Stack Development | AI/ML & GenAI | Cloud & Databases | DevOps & MLOps

CAREER HIGHLIGHTS

- **AI-Driven Physiotherapy Application:** Developed an [AI-powered physiotherapy](#) platform with 95% accuracy using Next JS, MERN, and Tailwind CSS. Integrated live posture correction via Generative AI and a RAG-powered LLM chatbot
- **Company Project:** Built the website for [New Web Order](#) using Next.js, Tailwind CSS and TypeScript, implemented new features, boosted performance 40% via optimizations, enhanced SEO, and delivered a clean UX.
- **Internship Project: PEP News Screening Platform:** Created a React, Vite, and Tailwind CSS based [financial news screening platform](#) for Bank Islami at Aawaz AI. Focused on modular components and a responsive, user-friendly design.
- **Vocal Aid System for Hearing-Impaired People at Google Developer Student Club:** Engineered a full-stack [pronunciation feedback software](#). Incorporated principles of Generative AI into the development process. Utilized Google Cloud, MERN and Firebase while improving clarity 35% per user tests.
- **Events Planning App:** Designed and implemented a [wedding management app](#) using Java, MySQL, HTML, CSS, and JavaScript. Utilized functionalities like budgeting and venue search and created separate UIs for vendors and users.

EDUCATION

- **Bachelor of Science in Computer Science, FAST NUCES** (2021 – 2025)
- **Key Subjects:** Web Development, Cloud Computing, Artificial Intelligence, Generative AI, NLP, Data Structures, Algorithm Design and Analysis, Database Systems, Information Security.

WORK EXPERIENCE / CERTIFICATES

- **Full-Stack Developer (Part-Time) — New Web** (Jan 2025 – Mar 2025)
- **Full-Stack Developer (Intern) — Aawaz AI** (Jun 2024 – Aug 2024)
- **AWS Academy Graduate - AWS Academy [Cloud Web Application Builder](#)** (Dec 2024)
- **AWS Academy Graduate - AWS Academy [Cloud Data Pipeline Builder](#)** (Dec 2024)
- **AWS Academy Graduate - AWS Academy [Cloud Foundations](#)** (Dec 2024)

SKILLS & TOOLS

- **Languages & Frameworks:** JavaScript, TypeScript, React.js, Next.js, Node.js, Express.js, Python, Flask, Tailwind CSS
- **Databases & Cloud:** SQL, NoSQL, AWS, Firebase, Supabase
- **MLOps & DevOps:** MLflow, Airflow, DVC, Docker, Kubernetes, Prometheus, Grafana
- **Tools & Version Control:** Git, GitHub, CI/CD

EXTRACURRICULAR

- **Team Technical Vice Head, Google Developer Student Club (GDSC):** Led the Platform Application Development Team comprising 10 members and guided the development of a vocal aid system for hearing-impaired individuals.
- **Operations Specialist, TEDx:** Organized one of the largest annual events at FAST NUCES with approximately 5,000 attendees.
- Elected as a **Class Representative (CR)** for all 8 semesters; acted as a liaison between teachers and students.