M.TAYYAB SOHAIL

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|Software Engineer | MERN & Next JS Developer | AI/ML & GenAI | Cloud & Databases | DevOps & MLOps|

CAREER HIGHLIGHTS

- **Company Project: New Web Order:** Built the website for New Web Order using Next.js, Tailwind CSS and TypeScript, implemented new features, optimized performance for faster load times and SEO, and ensured a seamless user experience.

- **AI-Driven Physiotherapy Application:** Developed a AI powered physiotherapy platform as a FYP using Next JS, MERN, Vite, and Tailwind CSS with responsive UI. Integrated live posture correction and tracking via Generative AI and RAG based chatbot.

- **Internship Project: PEP News Screening Platform:** Created a React, Vite, and Tailwind CSS based financial news screening platform for Bank Islami as an intern at Aawaz AI. Focused on modular components and a responsive, user-friendly design.

- **Vocal Aid System for Hearing Impaired People at Google Developer Students Club (GDSC):** Developed a full-stack pronunciation feedback software. Incorporated principles of Generative AI into the development process. Utilized Google Cloud, MERN and Firebase while adhering to UN Sustainable Development Goals.

- **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's Degree in Computer Science,** FAST NUCES   2021 – 2025
- Key Subjects: Web Development, Artificial Intelligence, Generative AI, NLP, Parallel and Distributed Computing, Data Structures, Algorithm Design and Analysis, Database Systems, Operating Systems, Cloud Computing, Information Security.

WORK EXPERIENCE / CERTIFICATES

- **Part-Time,** New Web Order   01/2025 – 03/2025
  Built the New Web Order website with performance optimizations and SEO improvements using Next.js.
- **Intern,** Aawaz AI – National Science & Technology Park, (NUST)   06/2024 – 08/2024
  Contributed towards the front-end development of PEP News Screening platform for Bank Islami
  Pakistan Limited; employed MERN Stack for the platform building.
- **AWS Academy Graduate -** AWS Academy Cloud Web Application Builder   12/2024
- **AWS Academy Graduate -** AWS Academy Cloud Data Pipeline Builder   12/2024
- **AWS Academy Graduate -** AWS Academy Cloud Foundations   12/2024

SKILLS & TOOLS

- **Languages & Frameworks:** React JS, Node JS, Express JS, Next JS, JavaScript, TypeScript, Python, HTML/CSS, Tailwind CSS, Flask.

- **Databases & Tools:** MySQL, Firebase, Supabase, MongoDB, PostgreSQL.

- **MLOps, DevOps & Version Control:** MLflow, Airflow, DVC, Docker, Kubernetes, CI/CD, Prometheus, Grafana, Git, GitHub.

EXTRACURRICULAR

- **Team Technical Vice Head,** *Google Developer Student Club (GDSC)*: Led the Platform Application Development Team comprising of 10 members and guided the development of a vocal aid system for hearing impaired people.

- **Operations Specialist**, *TEDx and NASCON:* Organized one of the largest annual events at FAST NUCES approximating 5000 attendees.

- Elected as a **Class Representative (CR)** for all 8 semesters; acted as a liaison between teachers and students.