

MUHAMMAD ABDULLAH TANVEER

Full-Stack Developer | Data Analyst | Aspiring Data Engineer

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SUMMARY

Full-Stack Developer specializing in Next.js and React, with hands-on experience building AI-powered platforms, e-commerce apps, and secure messaging systems. Skilled in backend integration (MongoDB, PostgreSQL, RESTful APIs) and frontend UI development using Tailwind CSS and ShadCN UI. Expanding expertise in Data Engineering and Agentic AI.

PROJECTS

University Final Year Project

Wed Connect [\[Link\]](#)

Tech Stack: Next.js, Tailwind CSS, MongoDB, NextAuth, Gemini AI

- Developed a full-stack, AI-powered wedding vendor platform with role-based access for customers, vendors, and admins.
- Integrated Gemini AI for intelligent matchmaking based on budget, style, and location.

Presidential Initiative for Artificial Intelligence & Computing (PIAIC) Hackathon Project

Dine Market

Tech Stack: Next.js, Tailwind CSS, Sanity CMS, PostgreSQL, Stripe

- Created a full-stack e-commerce platform for the final PIAIC hackathon after completing frontend/backend stacks.
- Built within 24 hours, with complete vendor/customer panels and Stripe-integrated checkout.
- Used Sanity Headless CMS for product management and PostgreSQL for backend database.

Personal Projects

Ghost Note [\[Link\]](#)

Tech Stack: Next.js, Tailwind CSS, MongoDB, NextAuth

- Developed a secure, full-stack anonymous messaging platform with real-time messaging.
- Implemented robust authentication using NextAuth and secure message storage in MongoDB.

Music App [\[Link\]](#)

Tech Stack: Next.js, Tailwind CSS, Aceternity UI, ShadCN UI

- Built a modern frontend platform for exploring music courses and webinars.
- Designed smooth navigation, responsive UI, and component-based architecture using ShadCN UI, Aceternity UI and TailwindCSS.

EXPERIENCE

Data Analyst Trainee Intern (Remote) — Excelerate | Aug 2025 – Present

- Leading an 11-member team to collect, clean, and analyze performance data from 34 Facebook ads for GlobalShala's Superhero U event.
- Recommended discontinuation of two to three lowest performing ads based on ROI, CPA, CTR, and conversion metrics, enabling budget reallocation.
- Overseeing the creation of actionable visualizations, coordinating weekly deliverables, and preparing the final recorded presentation for stakeholders.

EDUCATION

Formal Degree

BS in Computer Science | Government College University Faisalabad | 2021 – 2025

- Relevant Coursework:** Data Structures and Algorithms, Data Mining, AI, Database Management, Software Engineering
- Final Year Project (Grade: A-):** "WedConnect" – Developed a full-stack, AI-powered wedding vendor platform with intelligent vendor matching. Praised by project supervisor for innovation and execution quality.

Technical Training

Presidential Initiative for Artificial Intelligence & Computing (PIAIC – Panaversity) — On-Site

Certified Agentic and Robotic AI Engineering | National Textile University Faisalabad | Mar 2024 – Present

- Completed:** Frontend GUI, Backend API, and Custom GenAI Stack (HTML, CSS, Tailwind, Next.js, TypeScript, Redux Toolkit, Sanity CMS, GROQ, Python, FastAPI, Pydantic, SQLAlchemy, PostgreSQL, OpenAI GPTs, Specifications, GPT Store, LangChain, LangGraph, CrewAI, AutoGen).
- In Progress:** Agentic AI Stack (OpenAI Agents SDK, N8N, Prompt Engineering, Multi-Agent Systems, Retrieval-Augmented Generation (RAG), MCP, Markdown).
- Remaining:** Backend Cloud Stack (Docker, Docker Compose, Kubernetes, Kafka, Serverless Containers, Terraform, CDK for Terraform, GitHub Actions).

CERTIFICATIONS

- Commonwealth Bank Software Engineering Job Simulation (Forage) — Developed and tested backend (.NET, C#) and frontend (React, Redux, TypeScript) features in a simulated team project (Aug 2025).
- Deloitte Australia Technology Job Simulation (Forage) — Built coding solutions and authored a proposal for a client-facing dashboard (Aug 2025).

- Deloitte Data Analytics Job Simulation (Forage) — Delivered insights by cleaning, analyzing, and visualizing data with Excel and Tableau (Jul 2025).
- Google Data Analytics Professional Certificate (Coursera) — Building expertise in data cleaning, visualization, SQL, and business communication through hands-on projects (In Progress).

ACHIEVEMENTS

- Spent one month at NIC Faisalabad in a professional co-working environment, engaging with early-stage and scaling startups to explore real-world business growth strategies. Gained exposure to AI adoption and entrepreneurship through networking with founders and startup teams.
- Attended an AI Summit with AI Community of Pakistan; networked with top tech leaders including CEOs, mentors, and specialists from Techloset Solutions, Fista Solutions, FITCO, Dafi Labs, and CrowdgenAI. Explored AI’s practical applications, market trends, and future role in enterprise transformation.

SKILLS

- **Technical Skillset:**
Core Development: Next.js, React, TypeScript, JavaScript, Tailwind CSS, ShadCN UI, HeroUI, MongoDB, PostgreSQL, APIs.
Tools: Git, GitHub, Postman, Vercel, Netlify, VS Code.
Learning:
Data Engineering/Analytics (Python, SQL, ETL, Data Pipelines, Cloud Platforms (AWS/GCP/Azure), Snowflake, BigQuery, Airflow, Kafka, Tableau, PowerBI)
Agentic & Robotic AI (OpenAI Agents SDK, AutoGen, LangChain, CrewAI, RAG, N8N, Prompt Engineering, MCP, Multi-agent systems).
- **Soft Skills:** Teamwork, Communication, Problem Solving, Analytical Thinking, Public Speaking, Strategic Planning, Team Management.

LANGUAGES

- English (Fluent)
- Urdu (Native)

INTERESTS

Exploring Agentic & Generative AI, automating workflows, engineering data pipelines, analyzing datasets, and sharing insights through tech blogging.