Shahr Bano Bokhari

https://sbano-portfolio.vercel.app/ | sbano.dev@gmail.com | https://github.com/Sherryz707 |
https://www.linkedin.com/in/shahr-bano-bokhari-55989135b/

Profile

Full-stack developer skilled in MERN, Next.js, Django REST, and SQL/NoSQL databases. Experienced in building scalable apps with robust APIs and intuitive UIs. Proficient in AI/ML using Python (FastAI, scikit-learn, LangChain) and R (ggplot2, dplyr) for modeling and data visualization. Passionate about applied AI and ed-tech.

Experience

FULL STACK DEVELOPER & ML/AI CAPSTONE | FYP | FEBRUARY 2024 – July 2025

- Developed an inclusive sign language learning app for deaf children using FastAI, React Three Fiber, and Supabase.
- Trained ASL, Urdu ASL, and numeric gesture recognition models using transfer learning and custom heads.
- Designed gamified 3D lessons with Blender & VRM avatars; rewarded users with room customizations.
- Deployed models via Gradio on Hugging Face and integrated real-time feedback into the React frontend

FULL STACK | JOB RECRUITMENT PLATFORM | FREELANCE | JUNE 2025

- Built a MERN + TypeScript platform with role-based auth, 9+ Mongoose models, and admin workflows.
- Enabled real-time employer-candidate messaging using TanStack Query (no caching).
- Integrated Postmark for automated candidate/employer notifications and workflow status updates.
- Designed a clean, type-safe UI using Shadcn/UI, Tailwind CSS, and Cloudinary for secure uploads of assignment/material uploads and submissions.

FULL STACK DEVELOPER | SCRYPTHUB | MARCH 2025 – May 2025

- Engineered a modular MERN backend with TypeScript to support RFID-based school attendance tracking.
- Integrated RFID hardware and REST APIs to track student check-ins across school vendors.
- Implemented RBAC with JWT for user, parent, and teacher access control.
- Set up WhatsApp and email alerts for real-time attendance events using Mailtrap for testing.

FULL STACK DEVELOPER | CAREER SERVICES & BLOGGING PLATFORM | FREELANCE | MAY 2025

- Developed an admin dashboard with **JWT-authenticated roles**: Admin, Editor, and Moderator (for comment approvals).
- Implemented **blog publishing and comment moderation**, with public-facing blog visibility..
- Integrated **lead capture via agency and contact forms**, triggering email notifications using Mailtrap (Postmark in production).
- Enabled replying to form submissions directly from the dashboard with email replies sent to users.

NO-CODE AI AUTOMATION (ANALYTICS & REPORTING) (APPSHEET) | AIQ DECISIONS | JAN 2025 – FEB 2025

· Designed AppSheet interface for real-time inventory tracking and stock management.
· Automated purchase orders and supplier alerts, enhancing operational efficiency.
· Integrated Google Sheets and BigQuery for live reporting and predictive analytics

AI-ENHANCED FULL STACK DEVELOPER | REBORN ELECTRONICS (ECOMMERCE + RAG CHATBOT) | SEPTEMBER 2023 – SEPTEMBER 2024

· Led Next.js e-commerce app with Saleor and GraphQL, using URQL for efficient data handling.
· Developed dynamic catalog pages with pagination, filtering, and personalized recommendations.
· Implemented secure JazzCash payment flows with Saleor integration.
· Built pixel-perfect UI from Figma using Headless UI and added a RAG-based chatbot with LangChain.

WEB DEVELOPER | RESILIENCE | FEBRUARY 2024 (1 MONTH)

· Customized responsive company website using ThemeForest template, aligned with brand goals.
· Optimized site for accessibility, usability, and cross-device performance.
· Tailored UI/UX for intuitive user experience based on client requirements.

FULL STACK DEVELOPER | NUTRIDIARIES| FEBRUARY 2024 – MARCH 2024

· Developed Next.js blog platform with TypeScript, optimized for SEO and scalability.
· Integrated Sanity CMS for dynamic content and seamless editor experience.
· Built responsive UI with Tailwind CSS, supporting dark/light/system modes.

ML ALGORITHMS NOTEBOOK SERIES – GOOGLE COLAB | UDEMY|

· Built Colab notebooks for regression, classification, and ensemble ML models.
· Applied data preprocessing, model evaluation (RMSE, ROC-AUC), and visualization.
· Documented best practices using Python, Seaborn, and Matplotlib.

Education

B.S. IN COMPUTER SCIENCE | JULY 2025 | UNIVERSITY OF MANAGEMENT AND TECHNOLOGY (UMT), LAHORE, PAKISTAN

INTERMEDIATE | 2021 | PUNJAB GROUP OF COLLEGES (PGC), LAHORE, PAKISTAN

MATRICULATION| 2019 | BEACONHOUSE SCHOOL SYSTEM, LAHORE, PAKISTAN

Skills & Abilities

· Frontend: React, Next.js, TypeScript, React Three Fiber, Three.js, Shadcn/UI, Tailwind CSS
· Backend: Node.js, Express.js, FastAPI, Supabase (PostgreSQL), JWT Authentication
· AI/ML: Python, FastAI, scikit-learn, NumPy, Pandas, LangChain, Ollama, R (ggplot2, dplyr)
· Data & Visualization: SQL, Google Sheets, BigQuery, Seaborn, Matplotlib
· Tools: AppSheet, Postman, SendGrid, TanStack Query, Cloudinary