

Asadullah Samoon

Software Engineer | Full Stack Developer | AI Application Developer

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PROFESSIONAL SUMMARY

Software Engineer specializing in agentic AI applications and scalable full-stack systems. Built and deployed LLM-integrated platforms using OpenAI, Groq LLaMA, and Whisper APIs, reducing manual scheduling workload by 95% in a production system. Experienced with React, Node.js, Python, and cloud-based deployments, with a proven track record of delivering AI-driven products for clients on Upwork and fiverr.

TECHNICAL SKILLS

AI & LLMs: OpenAI API, Groq API (LLaMA), Whisper API, Agentic AI, Anthropic API

Frontend: React, TypeScript, Next.js, Tailwind CSS, TanStack Query

Backend: Node.js, Python, FastAPI, REST APIs

Databases: SQL, NoSQL, Cloud Databases, Pinecone / Chroma (Vector DBs)

Cloud & DevOps: AWS, Docker, Linux, Git

Core CS: Data Structures & Algorithms, OOP

Soft Skills: Communication, Collaboration, Leadership

WORK EXPERIENCE

Full Stack Developer | [DevelopersHub Corporation](#)

Apr 2026 – Present

Developing AI-integrated web applications and scalable full-stack systems as part of an innovation-focused internship program.

- Built Code Defense, an AI-powered mock interview platform using Groq LLaMA and Whisper APIs for real-time question generation and voice transcription (React, Node.js, Groq API)
- Engineered a full-stack responsive E-commerce marketplace from a Figma design specification, with a Node.js/MongoDB backend, JWT authentication, product CRUD admin panel and TanStack Query-powered filtering (React, TypeScript, TailwindCSS, Node.js, MongoDB)
- Collaborated in agile code reviews and maintained technical documentation to support team velocity and product quality

Freelancer | [Upwork](#) / [fiverr](#)

Jun 2023 – 2025

Delivered projects for 2 clients across Upwork and Fiverr, maintaining a 5/5 rating on both platforms. Built cross-platform applications including real-time systems, payment integrations, and cloud deployments.

- Built secure real-time applications with custom authentication workflows and scalable backend architecture (Node.js, React, AWS)
- Implemented payment gateways and cloud integrations, earning 5/5 client ratings on Upwork and Fiverr
- Developed responsive user interfaces with efficient state management (React, TypeScript)

AI Application Developer | [Independent AI Projects](#)

Jan 2023 – Present

Designed and built AI-powered recommendation systems focused on personalization, cultural relevance, and sustainability.

- Built and deployed AI recommendation systems using behavioral modeling to personalize user experiences (OpenAI API, Python, Node.js)
- Improved model accuracy through continuous training, testing, and optimization cycles

Full Stack Developer | [Interns Pakistan](#)

Jul 2024 – Dec 2024

- Developed responsive web applications using HTML, CSS, and JS
- Maintained code quality through Git-based version control and agile methodologies

PROJECTS

NutriVerse AI — Personal Flagship Project | [GitHub](#) | [Live Demo](#) | [Video](#)

AI-driven nutrition platform integrating 10+ AI services for meal planning, mood analysis, pantry tracking, and global cuisine recommendations.

- Developed an AI-based nutrition ecosystem integrating 10+ AI services (OpenAI API, React, Node.js, MongoDB)
- Designed scalable AI architecture delivering personalized nutrition insights and health analytics

Code Defense — Team Project | [GitHub](#) | [Live Demo](#)

AI-powered mock interview platform that analyzes GitHub repositories and generates role-aware technical questions with structured feedback.

- Integrated Groq LLaMA for dynamic question generation and answer evaluation across 4 dimensions (React, Node.js, Groq API, Whisper API)
- Designed timed Test Mode with per-question countdowns, hint penalties, and PDF After Action Report export

E-commerce Marketplace— Internship Project | [GitHub](#) | [Live Demo](#) | [Video](#)

Full-stack B2B marketplace built from a Figma design spec with complete backend integration and production deployment.

- Architected responsive frontend across 4 pages (Home, Listing, Details, Cart) with pixel-faithful Figma implementation (React 18, TypeScript, TailwindCSS, Vite)
- Built RESTful API with full product CRUD, JWT auth, search, multi-filter support (brand/category/condition/rating/price), and pagination (Node.js, Express, MongoDB)
- Implemented Admin Panel with TanStack Query mutations for zero-reload product management, cart persistence via localStorage with Context API, and protected routes with role-based access control

Automated Timetable Generation System — Final Year Project | [GitHub](#) | [Video](#)

Advanced automated scheduling system processing 19+ academic constraints for educational institutions.

- Implemented conflict-free timetable scheduling across 19+ constraints (Python, constraint optimization algorithms)
- Reduced manual scheduling workload by 95% through full automation of timetable generation

Affordable Meals — Hackathon Team Project | [GitHub](#) | [Live Demo](#) | [Video](#)

AI-powered platform for affordable and sustainable meal planning supporting UN SDG 1 & 2.

- Engineered AI-based meal planning with nutrition tracking and carbon footprint insights (React, Node.js, OpenAI API)
- Developed culturally adaptive recommendation algorithms aligned with UN Sustainable Development Goals
- Won best video title award at the hackathon

Unifychat — Organizational Project | [Video](#)

Secure, scalable real-time messaging platform.

- Engineered real-time chat platform supporting 10K+ concurrent users with robust authentication and group messaging (Node.js, React, WebSockets, AWS)

EDUCATION

M.Sc. in Artificial Intelligence | [University of Bristol](#) / [University of Southampton](#) / [University of Bologna](#)

2026 – 2027 | Offer Holder

CERTIFICATIONS

- GNEC Hackathon Fall 2025 — GNEC, December 2025
- AWS Cloud Technical Essentials — Amazon Web Services, September 2025
- Introduction to Responsible AI — Google, March 2026
- Meta Frontend Developer Certificate — Meta, August 2024

PUBLICATIONS

The Cross-Site Scripting (XSS) Attack: A Comprehensive Review | [ResearchGate](#)

Asadullah Samoon (Lead Author) | Presented at IMCEET 2024 (International Multidisciplinary Conference on Emerging Trends in Engineering Technology) | October 2024

LANGUAGES

- English — Fluent (IELTS 7.5)
- Urdu — Native / Fluent