

SYED FATIK ISLAM

Software Engineer | Full-Stack & AI Systems Developer

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PROFESSIONAL SUMMARY

Software Engineer specializing in full-stack web applications, AI-powered systems, SaaS platforms, and data-driven software solutions. Experienced with Next.js, TypeScript, Python, PostgreSQL, FastAPI, Docker, Redis, and Retrieval-Augmented Generation (RAG) architectures.

TECHNICAL SKILLS

- Languages:** Python, JavaScript, TypeScript, SQL
- Frameworks & Libraries:** Next.js, React.js, Node.js, Express.js, FastAPI, Tailwind CSS
- Databases:** PostgreSQL, SQLite, pgvector
- AI & Data:** RAG, Vector Search, OCR Processing, LLM Integration, Pandas, NumPy, Power BI
- Infrastructure:** Docker, Redis, Linux, REST APIs, Authentication & Authorization
- Tools:** Git, GitHub, VS Code, Jupyter Notebook, Stripe API

PROFESSIONAL EXPERIENCE

CHICKY BITES — Software & Web Developer

Apr 2025 – Present

- Developed a biometric attendance management system with facial recognition verification.
- Implemented employee lifecycle management, attendance monitoring, and leave request workflows.
- Designed secure authentication and role-based access control systems.
- Developed and maintained the company website, including online ordering and WhatsApp integration.
- Built Power BI dashboards and automated reporting workflows, reducing manual effort by approximately 40%.

PEERSOL TECHNOLOGIES — Data Scientist

Aug 2024 – Mar 2025

- Performed social media sentiment and engagement analysis for client brands.
 - Developed and maintained a REST API wrapper for Workday SOAP APIs.
 - Applied data analysis and visualization techniques to generate actionable business insights.
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SOFTWARE ENGINEERING PROJECTS

ScholarVerse — AI-Powered Academic Research Platform

Next.js, FastAPI, PostgreSQL, pgvector, Redis, Docker, vLLM

- Built a RAG-powered academic research platform with citation-aware retrieval and source traceability.
- Developed OCR, semantic search, metadata extraction, and document ingestion pipelines..

Transfer Pro — Full-Stack Transfer Booking Platform

Next.js, TypeScript, PostgreSQL, Stripe

- Developed a transportation booking platform supporting customer, driver, and administrator workflows.
- Integrated Stripe payments, booking management, invoicing, and authentication systems.

NexoraNeo — Professional Development Management Platform

Next.js, TypeScript, PostgreSQL, Stripe

- Developed a professional development platform supporting bookings, attendance, and certifications.
 - Built Stripe payment integration and QR-code certificate verification systems.
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EDUCATION

University of Central Punjab, Lahore

BS Software Engineering | 2020 – 2024

Punjab Group of Colleges, Gujrat

Intermediate (Pre-Engineering) | 2018 – 2020

LANGUAGES

Urdu (Native) | Punjabi (Native) | English (B2)