

Faizan Mohammed Jamal Shaikh

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PROFESSIONAL SUMMARY

Full-stack developer with strong expertise in backend development and DevOps, specializing in building scalable, real-world applications. Experienced in integrating GenAI and RAG (Retrieval-Augmented Generation) into production systems, with growing focus on agentic architectures (MCP) and automated workflow integration for business applications.

EDUCATION

New Jersey Institute of Technology

Newark, NJ

BS in Enterprise AI, Specialization in Computer Science. Dean's Scholar. GPA: 3.85/4.00.

Expected May 2029

Relevant Coursework: Data Structures & Algorithms, Machine Learning, Data Science, Discrete Math, Linear Algebra, Concepts of Programming Languages

EXPERIENCE

Undergraduate Research Assistant

Jan 2026 – Present

New Jersey Institute of Technology

Newark, NJ

- Developing a Clinical Ontology Evaluation Framework to benchmark LLMs on 400+ SNOMED CT concepts using Python, Pandas, and REST APIs.
- Built and tested LLM-as-ontology-server evaluation pipelines; collaborated via GitHub with a PhD student and faculty mentor.

Information Technology Support Specialist (Tier 2)

Mar 2026 – Present

New Jersey Institute of Technology

Newark, NJ

- Deliver Tier 2 technical support and hardware management for university IT infrastructure, working alongside engineers and cybersecurity teams.
- Diagnose and resolve escalated issues across software, hardware, and network systems in a high-volume academic environment.

Data Analyst and Office Assistant

Mar 2026 – Present

NJIT, Office of the President

Newark, NJ

- Perform data analytics and manage confidential records to support executive meetings and institutional decision-making.

PROJECTS

SquadUp squadup.qzz.io

Feb 2026 – Present

Founder and Lead Developer

- Architecting a full-stack social platform (React, Node.js) connecting students and developers for project collaboration and talent matching.
- Implemented user matching, squad formation, and real-time project discovery; targeting 100+ active users by Summer 2026.

Xyris Vision xyrisvision.vercel.app

Jun 2026 – Jun 2026

Founder and Lead Developer

- Built and deployed a privacy-focused image redaction tool in 20 hours at NJx Hackathon (2026), reaching 50+ active users during the event.
- Engineered a zero-persistence architecture processing images in-browser or in-memory; raw data never stored on servers.
- Automated metadata scrubbing (GPS, device tags) and PII redaction (faces, license plates) via computer vision pipelines.
- Integrated Stripe Checkout for pay-per-scan credit monetization with a secure Supabase backend.

Diamond Puzzle Web Game [Suloku.com](https://suloku.com)

Jan 2026 – Feb 2026

- Designed and deployed a full-stack puzzle game featuring leaderboards, user preferences, and high-score tracking.
- Built a production application serving global users with a responsive frontend and backend data persistence.
- Stack: React, Vite, JavaScript, Node.js, PostgreSQL

SKILLS

AI/ML: LLMs, RAG, Agentic AI, Generative AI, Fine-tuning, Clinical Ontologies, Model Context Protocol (MCP), TensorFlow, PyTorch

Languages: Python, Java, JavaScript, SQL, HTML/CSS

Frameworks & Libraries: React, Node.js, Flask, Django, Pandas, NumPy, Requests, BeautifulSoup

Tools & Technologies: Git, Docker, REST APIs, PostgreSQL, Supabase, Stripe, Postman, VS Code, GitHub