Sadman Mazumder

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Summary

Full-stack Software Engineer (NJIT, May 2026) who has shipped AI-powered applications and distributed web systems to 100+ enterprise users. Proficient in Python, Lua, React, Node.js, Docker, and LLM integration via PyTorch and Gemini API. 2-time hackathon award winner; open to full-stack, backend, and AI/ML engineering roles.

Education

New Jersey Institute of Technology Newark, NJ
B.S. Information Technology, Web Development Specialization *September 2022 – May 2026*

- Relevant Courses: Systems Integration, Data Structures & Algorithms, AI/ML, Database Management, Advanced Web Development, Capstone

Experience

Software Engineer Intern June 2025 – August 2025
Baldor Specialty Foods *Bronx, NY*

- Architected and deployed a production AI CRM briefing application using Python, PyTorch, and Gemini API, integrated with MS Dynamics CRM, SQL Server, and Power BI via REST APIs and a CI/CD pipeline following SOLID principles.
- Reduced sales research time by 50% by auto-summarizing customer KPIs for 100+ sales executives; enabled reps to manage 2× more customer Accounts at production-level quality.

Lead STEM Teacher September 2022 – Present
The RChild Steam Center *Fort Lee, NJ*

- Teach Python, CAD, Modding, VEX Robotics, Roblox Studio, and digital design to grades 3–8; 500+ students taught to date.
- Grew YoY enrollment by 50% introducing AP-level Python and game design courses; led the only NJ team to qualify for the 2026 VEX Worlds Championship.

Projects

HackPrinceton – LEGR | *Next.js, Python, Supabase, MCP Tools, Startup APIs* | **Won Best Enterprise Hack**

- Built an LLM-powered AI CFO agent for startup financial management with real-time iMessage updates; unified 6+ third-party integrations (Enter.pro, KnotAPI, Photon iMessage, Dedalus VMs, Supabase, MCP tools) into a single Next.js full-stack application.

NJIT Alumni Webpage | *React, Node.js, PostgreSQL, Docker, Traefik, Drupal*

- Implemented headless Drupal CMS with fully automated CI/CD deployments; containerized a 2-service (frontend + backend) architecture using Docker and Traefik reverse proxy backed by PostgreSQL.

Steam Ranking Site | *Ubuntu Linux, PHP, SQL, RabbitMQ, Git, Nagios, OSSIM*

- Built a full-stack Steam ranking platform across 3 SDLC environments (Prod/QA/Dev) spanning 20+ Ubuntu Linux VMs; implemented backend, frontend, database, and async messaging layers via PHP, SQL, and RabbitMQ.
- Incorporated change management, disaster recovery, security auditing (OSSIM), and real-time system monitoring (Nagios) across all environments.

Certifications & Awards

Google Code Next Chelsea, NYC Division
Google Alumni *2022 – 2023*

- Completed Google's CS and engineering certificate covering mobile development (Android Studio), hardware (Raspberry Pi, Sense HAT), and image recognition with TensorFlow and Coral. Received $15,000 Scholarship from Google.

Technical Skills

Languages: Java, Python, Lua, C/C++, SQL (PostgreSQL), JavaScript, HTML/CSS
Frameworks: React, Node.js, Next.js, Flask, Angular, Django, REST APIs
AI/ML: PyTorch, Gemini API, TensorFlow, LLMs, Prompt Engineering
Databases: SQL Server, PostgreSQL/Supabase, MongoDB
Platform/Tools: Docker, Kubernetes, Git/GitHub, CI/CD, Traefik, Jira, Visual Studio
Concepts: Full-Stack Development, System Design, Agile, SOLID, OOP, Data Structures & Algorithms