

Sadman Mazumder

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EDUCATION

New Jersey Institute of Technology

Newark, NJ

Grad: May 2026

- *B.S. Information Technology, Computer Science minor*
- Coursework: Systems Integration, Database, Adv Web Dev, Data Struct Algo, AI/ML

Fort Lee, NJ

Sept 2022 – Present

WORK EXPERIENCE

The Renaissance Child (STEM-accredited children enrichment center)

Lead STEM Teacher

- Teach Java, Python, C++, VEX robotics, game engines, and digital design to grades 3–8 with 500+ students taught to date.
- Increased enrollment by 50% through introducing Python courses, software modding, and game design courses curriculum (GameMaker & Unity).
- Led the robotics team to qualify for its first NJ VEX State Championship (finalists; two trophies).

INTERNSHIP

Baldor Specialty Foods

Hunts Point, Bronx NY

June 2nd–August 8th 2025

Software Engineer Intern (10-week internship)

- Built a production-bound AI CRM briefing app using Python, StreamLit, TensorFlow, LLMs via Gemini APIs & Google Search APIs, integrating MS Dynamics, SQL Server, and Power BI via a CI/CD pipeline.
- Cut research time ~50% in pilot by auto-summarizing customer KPIs and forecasting performance for 100+ sales executives.
- Enabled reps to handle ~2× more customers by centralizing insights and daily briefs; project at production-level state.

PROJECTS

NJIT Alumni Webpage – Student Archival Site

- Implemented headless Drupal with automated deploys via CI/CD; Dockerized stack using Traefik and PostgreSQL; hosted on containers for front & backend.

System Integration - Steam Ranking Site

- Developed fully operational Steam ranking site utilizing Prod, QA, Dev env with back-end, front-end, database and communication layers within Ubuntu Linux virtual env using SQL, PHP and RabbitMQ.

Utilizes Server Side Development, Change Management, Disaster Recovery, Security Audit, System Monitoring.

HACKATHONS

HackHarvard – MindShorts: Youtube Shorts Content Filter

Cambridge, MA

- Developed an AI Chrome extension that overlays dynamic content filters on YouTube Shorts; built with JavaScript, React, Node.js, Python, MongoDB, LLMs via OpenAI API, and deployed on Vercel.

ACTIVITIES

Google Code Next | Chelsea NYC Division (CS & engineering prep program)

Alumni

- Completed certificate program covering computer science and engineering fundamentals, including mobile app development with Android Studio, hardware projects with Raspberry Pi and Sense HAT, and image recognition applications using TensorFlow and Coral.

ADDITIONAL

Skills:

Languages: **Python, Java, JavaScript/HTML/CSS, C++, C#**

Frameworks/Libraries: **React, Angular, Node.js, Django, Next.js, Tensorflow**

Databases/BI: **SQL Server, PostgreSQL, MongoDB, Power BI**

Platforms/Tools: **Docker, Kubernetes, Drupal, Traefik, Git/GitHub, Visual Studio, Jira**

Concepts: **REST APIs, CI/CD, AI/ML, LLMs, Agile Development**

Soft Skills: **Team leadership, Collaboration, Adaptability, Communication, Detail-Oriented**

Awards: NJSBA Finalist, Brower Youth Semi-Finalist, Hackensack Meridian Hospital Scholarship (\$2,500), Google Code Next Scholarship (\$15,500).