

Sajid Amin

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EDUCATION

St. John's University, College of Professional Studies

Expected May 2027

Bachelor of Science in Computer Science

GPA 3.98

Coursework: Data Structures and Algorithms, Object-Oriented Programming, Software Design, Computer Architecture, Database Management, Operating Systems, Machine Learning, Data Security, Fundamentals of Cybersecurity, Intro to Networks, Calculus 1 & 2, Stats 1 & 2, Discrete Math

Awards: Dean's List 23-24, Dean's List 24-25, Phi Eta Sigma National Honor Society, University Honors, **CodePath Web101 & Web102**

EXPERIENCE

Technology Consulting Intern | *Protiviti*

May 2026- August 2026

- *Incoming Summer 2026*

AI Engineer Intern | *Sj Innovation LLC*

July 2025-August 2025

- Built an AI agent on CollabAI by designing advanced prompts and integrating plugins to analyze public datasets, enabling automated detection of trends, anomalies, and key metrics
- Tested the agent on **10+ diverse public datasets** (market research, financial, and academic) to validate output quality, achieving **85%** accuracy in trend/anomaly detection and reducing manual analysis time by **~70%** across researcher and analyst use cases.

Software Engineer Intern | *Chip Server LLC*

June 2025-August 2025

- Reduced instructor prep time by **30%** by engineering a real-time whiteboard in React and WebSocket with support for dynamic annotations on blank canvases, PDFs, and Word documents, featuring custom stroke rendering algorithms and multi-touch gesture support
- Boosted student engagement by **45%** with a scalable quiz system using React Context API, Express REST APIs, and WebSocket sync
- Used Jest for unit, integration, end-to-end testing of WebSocket connections and multi-user scenarios

Full-Stack Engineer Intern | *Mancer Robotics*

November 2024-June 2025

- Integrated LiDAR hardware with a computer system and successfully visualized captured point cloud data using **Open3D**, enabling initial spatial mapping of the environment
- Built and deployed a marketing website and landing page to onboard early beta testers and gather user feedback

Software Engineer Intern | *Institute for Machine Learning*

September 2024-December 2024

- Built a responsive React-based website supporting **100+ users**, streamlining client onboarding and enabling seamless login
- Enhanced UI/UX of login page, reducing loading times and bounce rate by **25%** and improving time-on-page by **15%**
- Designed backend with Maven and SQL, securely handling **1000+ authentication events** during testing

PROJECTS

Rebin

github.com/Sajidcodez/Rebin

- Built an AI waste sorting application using **React**, **TypeScript**, **FastAPI**, and **Supabase**, providing real-time image recognition and recycling guidance based on users local policies.
- Integrated **YOLOv8** for object detection and **Gemini AI** for reasoning and a **85%** improvement in a accuracy through model optimization
- Designed a full-stack app using **Docker** containerization and **GitHub Actions CI/CD** pipelines to ensure performance and reliability

NoteBeats | *STJHacks*

github.com/Sajidcodez/NoteBeats

- Built a full-stack **Next.js** app that converts study notes into musical audio, featuring a responsive UI with **TailwindCSS** and **TypeScript**
- Integrated AI services like **OpenRouter**, **ElevenLabs**, **Hugging Face** to enable lyric generation, voice synthesis, and text summarization, using real-time streaming for seamless audio delivery
- Created backend APIs for content processing and audio generation, utilizing **AWS S3** for asset storage and external APIs for audio merging

Co2-Leaderboard | *NYUHacks*

github.com/Sajidcodez/Co2-Leaderboard

- Created a tracking application using **React**, **TypeScript**, **Flask**, and **PyTorch**, with machine learning prediction for future emissions trends
- Implemented dashboard with US map and real-time analytics, leveraging **Recharts** and **React Simple Maps** for data visualization
- Built a neural network model in **PyTorch** to predict CO2 emissions on historical data, improving forecasting accuracy and insights

LEADERSHIP/PROFESSIONAL DEVELOPMENT

CodePath Tech Fellow | *CodePath*

June 2025-Present

- Mentor and assist the next generation of software engineers and tech enthusiasts through hands-on activities and project based learning

St. John's ACM Student Chapter | *ACM*

September 2024-Present

- Expand technical skills and career readiness by engaging in **30+** workshops and labs, covering **Python**, **APIs**, **AWS**, & **Web Development**
- Collaborated with **16+ peers** using **ACM resources** to apply software engineering and problem-solving skills on open-source projects.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, TypeScript, HTML, CSS, C++, SQL

Frameworks: React, Next.js, Node.js, Express.js, Tailwind CSS, Spring Boot, Flask, Django, Bootstrap

Cloud & Databases: AWS, Azure, MySQL, PostgreSQL, MongoDB, Supabase, Vercel

Developer Tools & Skills: Git/GitHub, Bash, Docker, Postman, 3D Modeling/Rendering, PyVista, Matplotlib, Pandas, Selenium, Jest, Figma, Canva, MacOS, Windows, Microsoft Office Suite