

Sajid Amin

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EDUCATION

St. John's University, College of Professional Studies <i>Bachelor of Science in Computer Science</i>	<i>Expected May 2027</i> 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 <i>Protiviti</i>	May 2026- August 2026
• Incoming Summer 2026	
AI Engineer Intern <i>Sj Innovation LLC</i>	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 <i>Chip Server LLC</i>	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 <i>Mancer Robotics</i>	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 <i>Institute for Machine Learning</i>	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	
NoteBeats <i>STJHacks</i>	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 <i>NYUHacks</i>	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 <i>CodePath</i>	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 <i>ACM</i>	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	