

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 4.0

Coursework: Data Structures and Algorithms, Fundamentals of CyberSecurity, Object-Oriented Programming, Software Design Methods, Data Security and Cryptography, Networks, Calculus 1 & 2, College Physics 1, Statistics 1

Awards: Dean's List 2023-2024, Phi Eta Sigma National Honor Society, University Honors Student, **CodePath Web 101**

EXPERIENCE

Software Development | *Mancer Robotics*

November 2024-Present

- Created APIs to streamline data visualization processes for insights from datasets leveraging libraries such as Open3D and Pyvista
- Designing a 3D Digital Twin system using a LiDAR unit to create accurate and interactive representations of real-world environments
- Implementing advanced analysis and simulation features for improved accuracy, targeting construction companies for improved operations
- Built app interface from scratch for admins, and users to control, manage and track operations.

Software Development Intern | *Institute for Machine Learning*

October 2024-December 2024

- Created a fully responsive and functional website for a company with full stack applications
- Implemented frontend with JavaScript, HTML, CSS, React for basic functionality of the login page, user access, and interactions
- Enhanced the design and user experience of the login page
- Designed backend with Java, and SQL connecting databases with maven and derby for secure authentication

PROJECTS

Head Start-LockedIn | *SJU ACM X Headstarter Hackathon*

github.com/Sajidcodez/headstart-lockedIn

- Led a team of 4 to utilize HuggingFace embedding models and prompt engineering techniques
- Designed a personalized and comprehensive guide for students preparing for interviews at big tech companies
- Achieved a **top 3** placement with over **150 impressions within 24 hours** of deployment

SmartBot

github.com/Sajidcodez/SmartBot

- Developed a Disney-themed chatbot application using React and Google Gemini API, enabling real-time responses to user queries
- Integrated REST API calls to fetch and deliver information about park hours, ticketing, and dining options at Walt Disney World
- Built a responsive user interface, enhancing user experience through dynamic chat components and seamless API communication

Instabot

github.com/Sajidcodez/Instabot

- Automated Instagram tasks using ChromeDriver and Selenium to log in, fetch followers, follow/unfollow users, and remove all followers
- Implemented efficient web scraping, enabling **over 100 user interactions** since deployment
- Streamlined Instagram interactions by integrating automation, web scraping, python, and utilizing git for version control

Co2-Leaderboard

github.com/Sajidcodez/Co2-Leaderboard

- Created a tracking application using React, TypeScript, Flask, and PyTorch, with machine learning predictions 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.

Flappy Bird 2.0

github.com/Sajidcodez/FlappyBird2.0

- Created a similar game inspired by the classic Flappy Bird game leveraging Java swing, easily accessible via GUI
- Implemented efficient game mechanics, including gravity, collision detection, and real-time score tracking

LEADERSHIP/PROFESSIONAL DEVELOPMENT

Google Developers Student Club | *Google*

August 2024-Present

- Founded the Google Developers Club at St. John's University to foster collaboration, networking, and growth for all tech major students
- Research technologies and tech stacks to stay current on latest trends and advancements to stay updated for a successful career in tech
- Organize weekly workshops and labs on programming languages, frameworks, and tools to teach new technologies and best practices

Customer Service | *St. John's University*

September 2023-Present

- Provided exceptional customer service by addressing inquiries, resolving issues, and assisting customers with account-related matters, ensuring high levels of satisfaction through effective communication, problem-solving, and timely resolutions
- Conducted data analysis to assess call volumes, identify trends, and generate reports on peak times and agent performance, leading to data-driven decisions that optimized workflow efficiency, improved service levels, and reduced response times

After School Counselor Specialist | *LEAP, NIA, MOSAIC*

September 2022-October 2024

- Collaborate with coworkers for efficient flowing of operations and creating a nurturing environment for children and teens
- Serve as a positive role model by demonstrating discipline, responsibility, honesty, integrity, and leadership for underrepresented kids

TECHNICAL SKILLS

Languages/Frameworks: Java, Python, JavaScript, TypeScript, HTML, CSS, C++, SQL, Spring Boot, React, Flask, Django, NextJs, NodeJs

Skills/Software/Tools/Libraries: AWS, Git, Github, Windows, Canva, Figma, Mac, Bash, Web Scrape, 3D model/rendering, RestAPI, Augmented Reality, Matplotlib, Pyvista, Bootstrap, Tailwind, Soft skills