

# 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, Intro to Networks, Calculus 1 & 2, College Physics 1, Statistics 1

**Awards:** Dean's List 2023-2024, Phi Eta Sigma National Honor Society, University Honors Student, Scholastic Excellence scholarship (150k 4yrs)

## EXPERIENCE

**Software Development Intern** | *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

**Web 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 up-to-date 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

**AI Image Generator**

*github.com/Sajidcodez/AI-Image-Generator*

- Developed an AI-powered image generation tool via Streamlit and DALL-E leveraging OpenAI API and python
- Enabled users to be able to generate high-quality images based on text prompts with an interactive carousel display

**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, Mac, Microsoft Office Suite, Bash, Web Scrape, 3D model/rendering, Augmented Reality, Matplotlib, Pyvista, Bootstrap, Tailwind, Soft skills