

# 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, Data Security and Cryptography, Database Management, Intro to Networks, Calculus 1 & 2, Stats 1

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

## EXPERIENCE

**Software Engineer Intern** | *Chip Server LLC*

*June 2025-Present*

- Engineered and deployed a real-time whiteboard module supporting dynamic annotations on blank canvases, PDFs, and Word documents, improving live instruction capabilities and reducing instructor prep time by **30%**.
- Designed a scalable, database-integrated assessment system enabling interactive quizzes and test reviews with real-time audience participation, increasing student engagement by **45%** and supporting analytics-driven performance tracking.

**Software Engineer** | *Mancer Robotics*

*November 2024-July 2025*

- Created APIs to streamline data visualization, improving processing speed by **30%** using Open3D and Pyvista
- Designed a 3D Digital Twin system with LiDAR, enabling **95% accurate** real-time modeling for field environments
- Implemented advanced simulation features that boosted construction planning efficiency by **40%**
- Built a scalable app interface used by administrators for managing and tracking operations

**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 Java and SQL, securely handling **1000+ authentication events** during testing

## 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/FlappyBird-2.0*

- Built leveraging Js, with efficient game mechanics like gravity, collision detection, and real-time score tracker with **200+** users since launch

## LEADERSHIP/PROFESSIONAL DEVELOPMENT

**CodePath Tech Fellow** | *CodePath*

*June 2025-Present*

- Mentoring and assisting the next generation of **software engineers, AI native engineers** and tech enthusiasts.

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

*August 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 and leveraged ACM resourced in **software engineering** and **open-source projects**
- Applied problem-solving techniques and coding proficiency, contributing to a **45% increase in team collaboration efficiency**

**Customer Service** | *St. John's University*

*September 2023-Present*

- Delivered **exceptional customer service** by resolving issues and inquiries with clear **effective communication** and timely solution
- Conducted **data analysis** leveraging excel identify trends, **improve workflows**, and **reduce response times** through data-driven insights

## TECHNICAL SKILLS

**Languages/Frameworks:** Java, Python, JavaScript(ReactJs, NextJs, NodeJs, ExpressJs), TypeScript, HTML, CSS, C++, SQL, Spring Boot, Flask, Django, Matplotlib, Pyvista, Bootstrap, Tailwind CSS.

**Skills/Software/Tools:** AWS, Git, Github, Windows, Canva, Figma, Mac, Bash, Web Scrape, 3D model/rendering, RestAPI, Augmented Reality, Soft skills, Firebase, Microsoft Office Suite(powerpoint, word, excel)