

# Kevin Dsouza

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## EDUCATION

### College of Staten Island, City University of New York (CUNY)

*Bachelor of Science in Computer Science*

Staten Island, NY

*June 2025*

### CUNY Tech Prep

*Data Science and Technical Interview Fellowship*

New York, New York

*August 2023 – June 2024*

## TECHNICAL SKILLS

**Languages:** Python(4yrs), C++(3yrs), C(2yrs), SQL(2yrs) Java(1yr), JavaScript(1yr)

**Frameworks:** React, Node.js, Scikit-Learn, Next.js, Tailwindcss, Scrapy

**Technical Tools:** SIEM (Splunk), Virtualization (VirtualBox), Operating Systems (Windows and Linux), Wireshark, Kali Linux, Nmap, Rapid7, Azure DevOps, Git, VS Code

**Certifications:** CodePath's Intermediate Cybersecurity, AWS Cloud Practitioner

## EXPERIENCE

### Security Engineering Intern

*NYC Department of Social Services*

July 2025 – August 2025

*New York, NY*

- Developed an Ansible automation integrated with Azure DevOps Pipeline API to verify security compliance of new Windows, RHEL, and Oracle servers in a 15,000+ host network, with results visualized in a Splunk dashboard.
- Created an interactive Splunk dashboards for AWS CIS benchmark reporting, enabling automated compliance monitoring, remediation guidance, and improved cloud security posture.

### IT Support Assistant

*College of Staten Island, City University of New York*

January 2023 – Present

*Staten Island, NY*

- Resolved software and hardware issues for over 500 students and staff including I/O, network troubleshooting, and user account management alongside a team of 20+ College Assistants.
- Implemented a Python script that reduced manual processing time by 92% by sorting 30+ Excel sheets by least availability, and aggregating them into a single sheet for further processing, reducing time from 4 hours to under 20 minutes per month.
- Constructed and launched end-user support and training both virtually and physically, including document and user guide creation, for migration between learning management systems.

## PROJECTS

### VirtualBox Homelab |

August 2024 – Current

- Goal: To gain experience with virtual machines, ethical hacking through hosting vulnerable machines, and networking.
- Managing of a physical Ubuntu server through SSH on home-network for self-hosting applications such as HomeAssistant, dedicated game server hosting, file hosting through SMB, managing a DNS server through Adguard Home, and utilizing Splunk for log collection.
- Future Goals: Implementing EDR software and improving network segmentation.

### MTA Speed Dashboard | *Python*

October 2024 – November 2024

- Developed an interactive MTA bus analysis dashboard using Python and Streamlit, reducing data query time through efficient caching mechanisms and optimized data loading protocols.
- Implemented proper data sanitation and access controls using Pandas on over 9.4 million records of transportation data.

### Game Insigtify | *Langchain, OpenAI API, Streamlit*

August 2023 – January 2024

- Achieved an 85% user satisfaction rate for game recommendations by leading a 3-member team to develop a chatbot using RAG technology and a database of 73,000+ games.
- Utilized Streamlit for data visualization in the frontend, Langchain to answer over our data, and OpenAI's API for NLP and vector tokenization.