

Kevin Dsouza

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EDUCATION

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

Bachelor of Science in Computer Science – Dean's List

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

Frameworks: React, Node.js, Scikit-Learn, Next.js, Tailwindcss, Flask, Scrappy

Developer Tools: Git, VS Code, Visual Studio, Eclipse, AWS, Linux

Libraries: Pandas, Matplotlib, Selenium

Certifications: CodePath's Cybersecurity

PROJECTS

Self-Driving Car Simulation | Python

September 2024 – Current

- Developed a fully functional self-driving car simulation, with lane detection and traffic sign recognition, using Deep Learning, Computer Vision, and Convolutional Neural Networks
- Created a Convolutional Neural Network using Keras, alongside OpenCV for Computer Vision.

TimeLens | Python, SQL, React, Go

August 2024 – Current

- Developed a time-tracking and productivity application to provide insights into user's work habits.
- Aims to reduce users' unproductive screen time and to optimize deep work periods.
- Creating a dashboard to visualize habits such as total time on an application, context switching and more, using React with ReCharts and Go.

RateMySchool | Node.js, MongoDB, Bootstrap

February 2024 – May 2024

- Headed a 3-person team to develop a full stack web application enabling users to rate and review universities, encompassing 90% of the schools in New York State.
- Integrated MongoDB for backend data routing, employed Bootstrap for front-end styling, and leveraged the Google Search API to retrieve images.

Game Insightify | 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.

EXPERIENCE

IT College Assistant

College of Staten Island, City University of New York

January 2023 – Present

Staten Island, NY

- Resolved software and hardware issues before escalations for over 500 students and staff including I/O, network troubleshooting, and user account management alongside 20+ College Assistants.
- Developed a Python-based automated scheduling system that reduced manual scheduling time by 83% by creating a script that processes Excel input sheets, applies complex scheduling rules, and generates viable employee schedules, cutting the task from 12+ hours to under 2 hours per month.
- Implemented a VBA 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.