

Deborah Olaniyi

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EDUCATION

New York Institute of Technology

Bachelor of Arts in Computer Science — GPA: 3.55

Manhattan, NY

Dec. 2028

TECHNICAL SKILLS

Languages: HTML/CSS, JavaScript, Python, MatLab, Java

Frameworks: Bootstrap, Flask, React, Tailwind, Next.js

Developer Tools: Git, GitHub, VS Code, PyCharm, Jupyter Notebook, Softr, Figma

Libraries: Pandas, NumPy, Matplotlib, Seaborn

EXPERIENCE

Section Leader

May. 2025 – Present

Stanford University

Remote

- Teach Python programming fundamentals to a **15+ students** from around the world using Stanford's Karel IDE.
- Guide students through concepts like **control flow**, **loops**, **conditionals**, and debugging.

Software Engineering Intern

Jul. 2024 – Dec. 2024

InTech Foundation

Remote

- Developed **InTech Chatspace**, a secure messaging app for teens aged 12–17, improving real-time communication by **reducing message latency 50%** using **JavaScript** and **Softr for UI design**.
- Boosted engagement by **25%** and increased session duration by **30%** through UX-focused design and interactive chat features.

Software Engineering fellow

Sep. 2023 – May 2024

America On Tech

Manhattan, NY

- Built 3 dynamic websites like a **GIF Generator** using **JavaScript** and the **GIPHY API**, strengthening UI skills and API integration.
- Improved engagement and insights by adding **real-time filters**, responsive UI, and analyzing student data with **Python**, **Pandas**, **NumPy**, and **Matplotlib**.

Software Developer fellow

Aug. 2023 – Aug. 2023

America on Tech

Manhattan, NY

- Designed a responsive mock business site for an animal shelter using **HTML**, **CSS**, **Bootstrap**, applying **Flexbox** and **Grid** to improve layout adaptability.
- Led a team of 3 to deliver the project on time and expanded connections by joining **5 meetups** and collaborating on **2 peer projects**.

PROJECTS

Sustainify | *React, TailwindCSS, DaisyUI, Zustand, Chart.js, Vite*

Apr. 2025

- Won **2nd place** at a school hackathon for developing **Sustainify**, a responsive carbon footprint tracker with a real-time **CO calculator**, interactive data dashboards using **Chart.js**, and personalized sustainability goals; built with **React 18**, **TailwindCSS**, and managed state via **Zustand**.

CashCat | *React, Next.js, Flask, MongoDB, NESSIE API, LangChain, RAG*

Feb. 2025

- Collaborated in a team of four to build **CashCat**, a budgeting and financial sharing platform integrating **NESSie API**, **FastAPI**, and a **LangChain-powered RAG system** for AI financial advice; implemented full-stack **authentication** and enhanced UI responsiveness using **React** and **Next.js**.

Educational Trends | *Python, Matplotlib, NumPy, Pandas, Seaborn, Jupyter Notebook*

Jan. 2024 – May 2024

- Used **Pandas**, **NumPy**, and **Seaborn** to analyze educational data, identifying a **20% lower average score** among low-income students and a **30% improvement** among those with tutoring access, visualized through interactive charts built with **Matplotlib**.

EXTRACURRICULARS

Society of Women Engineers: Jan. 2025, **SEO Career:** Jan 2025, **ColorStack:** October 2024