

Arnav Deepaware

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Education

B.S. in Computer Science | *CUNY City College of New York*

GPA: **3.74** | *May 2027*

Relevant Coursework: Software Engineering, Operating Systems, Database Management, Algorithms, Data Structures, Intro to C++, Object Oriented Programming (Java), Data Science, Web Development, Linear Algebra

Languages: Python, JavaScript, Java, C++, Dart

Frameworks & Libraries:: React, Next, Node, Express, Flask, Spring Boot, MongoDB, MySQL, REST APIs

DevOps: Git, Docker, Kubernetes, Vercel, AWS Cloud, Azure, CI/CD, Postman

Experience

Software Engineer Intern | *truCurrent*

New York, NY | Jun 2025 – Present

- Built a SharePoint dashboard with Python backend (Azure App Service B1) and React.js for internal file workflows.
- Developed scripts to clean CSVs, convert to Parquet, and verify data, generating 14 scalar values and dynamic graphs.
- Collaborated with third-party IT team to secure Azure deployment and gain cross-team buy-in for data automation tools.

Computer Science Tutor | *CUNY City College*

New York, NY | Feb 2024 – Present

- Tutor 16+ students in CS concepts, coding assignments, and debugging, leading to improved grades and performance.
- Facilitate with 4 fellow tutors to develop effective teaching strategies and support student success.

Tech Fellow | *CUNY Tech Prep*

New York, NY | Aug 2024 – May 2025

- Selected among 130 students for the fellowship from 5,000 computer science students across 25 CUNY colleges.
- Developed industry-level skills through hands-on projects in data science, ML models, and open-source contributions.

Software Engineer Mentee | *Google x Basta*

New York, NY | Oct 2024 – Jan 2025

- Admitted to an exclusive 1:1 mentorship program with Google engineers, selected from a pool of 1,200+ applicants.
- Practiced advanced technical interview prep, mock interviews and best software engineering practices weekly.

Software Engineer Intern | *The Difference App*

New York, NY | Jul 2024 – Aug 2024

- Updated app's profile screen with 23 endpoints and state management to handle new data from the backend.
- Created 3 pre-production profile screens, aligning with the company's Figma designs and UI/UX plans.
- Boosted revenue potential by launching in-app subscription buttons, eliminating external sign-ups for 1,000+ users.

Projects

SitRight – HackKnight | *Second Best Hack*

Mar 2025

- Designed an AI-powered posture detection application that provides real-time feedback, continuous monitoring and alerts.
- Trained a machine learning model with 90% accuracy, inputting body parts' ratios and angles to predict scores.
- Created a WebSocket server to seamlessly connect webcam input of 30 fps to backend tensorflow model to frontend.
- **Technology:** Python, WebSockets, OpenCv, MediaPipe, TensorFlow, Keras, Scikit-learn, Chart.js

See My Project – Hack@Brown

Feb 2025

- Deployed a visualization algorithm to generate system architecture from users' project specifications.
- Created a RAG model using LangChain agents to provide custom project workflows and UML diagrams.
- **Technology:** Python (Flask), React.js, AWS (EC2 & S3), Terraform, MongoDB, OpenAI, LangChain

Food Feud – CUNY Tech Prep

Sep 2024 – Dec 2024

- Engineered an AI-powered recipe recommendation web application to personalize suggestions from user preferences.
- Cleaned data for 100K restaurants to present to users, utilized Hugging Face and Gemini API to generate recipes.
- **Technology:** Pandas, NumPy, Matplotlib, Streamlit, Kaggle, Hugging Face, Gemini API

Leadership

Logistics & Engagement Director | *TEDxCUNY*

New York, NY | Sep 2023 – Present

- Lead a team of 22 to successfully deliver the largest university TEDx conference in the U.S.
- Secure 50+ sponsors and coordinate 13+ workshops, resulting in a 30% increase in sponsorship revenue.
- Coordinate logistics and operations for the 8-hour conference, ensuring a positive experience for 650+ attendees.