

Arnav Deepaware

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Education

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

GPA: **3.65** | *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

Skills

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

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

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

Experience

Tech Fellow | *CUNY Tech Prep*

New York, NY | Aug 2024 – Present

- 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.

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.

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

- Collaborated with 2 interns over 2 agile sprints during a 6-week internship, delivering key app updates on schedule.
- 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.
- Briefed 4 senior executives in weekly cross-functional meetings, reporting team progress and key milestones.

Projects

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, 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

2048 AI – **ACM Club**

Apr 2024

- Developed an advanced AI model using neural networks to autonomously play 2048, optimizing performance through 500,000 training iterations, achieving an 85% win rate.
- **Technology:** Pandas, TensorFlow, PyTorch, Git

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.