

Navraj Singh

Queens, NY | navrajrehal05@gmail.com | (516)-800-7935 |

EDUCATION

University of Virginia | *Bachelor of Science in Computer Science*

Charlottesville, VA | **08/2023 – Present**

- Cumulative GPA: 3.73
- Relevant Coursework: Data Structures and Algorithms, Computer Architecture, Software Development, Discrete Math.

SKILLS

- **PROGRAMMING & SCRIPTING:** Java, Python, C, JavaScript, NumPy, Pandas, SQL, SQLite, HTML & CSS
- **DEVELOPMENT TOOLS & FRAMEWORKS:** React, Next.js, OpenAI, VSCode, PyCharm, IntelliJ, Git, Jupyter Notebook, Clerk, JSON, Pinecone, Firebase, Google Colab, AutoCAD
- **PRODUCTIVITY & OFFICE SOFTWARE:** Microsoft Office, PowerPoint, Adobe Acrobat, Google Suite

PROJECTS

- **AI FLASHCARDS & STRIPE**
Built an AI-powered flashcard app using OpenAI for content generation and Stripe for payment, reaching 500+ users with 90% satisfaction rate. Enhanced skills in API integration, automated content creation, and e-commerce functionalities.
- **E-COMMERCE WEBPAGE**
Developed a full-stack e-commerce site using HTML, CSS, and JavaScript. Features include product browsing, search, customization, cart management, and order tracking with advanced async programming and external libraries.
- **AI RATE MY PROFESSOR**
Designed an AI assistant for rating professors, using RAG to gather and retrieve relevant data based on 100+ data points. Built with Next.js, React, and OpenAI. Strengthened skills in AI-powered recommendations and data-driven UX design.

EXPERIENCE

Headstarter AI | *SWE Fellow*

Queens, NY | **07/2024 – Present**

- Built and deployed 5+ AI apps with NextJS, OpenAI, and Stripe, achieving 98% model accuracy for 1000+ users.
- Led a team of 4 fellows through Agile workflows, emphasizing MVC patterns and CI/CD best practices.
- Coached by Amazon, Bloomberg, and Capital One engineers on Agile, CI/CD, Git and microservice patterns.

Outlier AI | *AI Training Advanced Coder*

Queens, NY | **05/2024 – Present**

- Conducted 100+ detailed feedback reports on AI models, achieving 95% accuracy in coding tasks across 150+ test cases.
- Testing AI models' capabilities in linear algebra, probability, and code generation to ensure precise problem-solving skills.
- Implemented 50+ Python-based test automation methods test cases to verify the efficiency of AI-generated code.

The Odin Project | *Full Stack Developer*

Queens, NY | **05/2024 – 06/2024**

- Created 5 projects (Recipes, Landing Page, Rock Paper Scissors, Etch-a-Sketch, Calculator) using HTML, CSS, and JavaScript.
- Utilized Git for version control and Node.js for JavaScript runtime environment, and developer tools for efficient coding.
- Gained proficiency in web development tools: Text Editors, Command Line, Flexbox, and DOM manipulation.

PROFESSIONAL GROWTH

Goldman Sachs | *Software Engineering Certification*

- Identified outdated password hashing algorithms by cracking passwords using Hashcat.
- Proposed password protection uplifts: extended length, hashing algorithms, and concepts such as salting/peppering.

Hands-On AI | *Generative Language Model Certification*

- Developed an understanding of AI and language models, including their applications in natural language processing.
- Gained hands-on experience building generative language models using Markov chains, including a text completion project.

Princeton Review's Tutor.com | *Advanced/Supervising Tutor*

Queens, NY | **01/2024 – Present**

- Providing expert tutoring in computer science and mathematics to over 150+ students, empowering students to master complex topics and develop problem-solving skills.
- Facilitating a team of 5+ tutors to supervise that tutors are always available; tutors are creating a productive learning environment and all student needs are met.