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**
  Created a flashcard application using OpenAI for content generation and Stripe for payments. Skills include API integration, machine learning, and web development, enhancing educational tools with scalable and automated solutions.
- **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**
  Developed an AI assistant to rate professors using RAG, integrating Next.js, React, Pinecone, and OpenAI API. Created a comprehensive tutorial to guide users in building RAG-based applications with these cutting-edge technologies**.**

EXPERIENCE

Headstarter AI | *SWE Fellow*   Queens, NY | **07/2024 – Present**
- Built 5+ AI apps and APIs using NextJS, OpenAI, Pinecone, StripeAPI with 98% accuracy as seen by 1000 users.
- Developed projects from design to deployment leading 4+ engineering fellows using MVC design patterns.
- 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**
- Evaluated performance of AI models in generating efficient code, providing 60+ detailed feedback reports.
- Testing AI models' capabilities in linear algebra, probability, etc. to ensure precise problem-solving skills.
- Developed and implemented 25+ robust test cases to verify the efficiency and effectiveness 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 algorithm 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, empowering students to master complex topics and develop problem-solving skills.
- Facilitating a team of tutors to supervise that tutors are available at all times; tutors are creating a productive learning environment and all student needs are met.