NEIL A. SHASTRI

708-945-9264 | Email: neilshastri93@gmail.com| neilshastri.netlify.app

EDUCATION

University of Illinois at Urbana-Champaign *Expected May 2026*
Bachelor of Science in Computer Science, Minor in Business *GPA: 4.0/4.0*
- **Coursework:** Algos. & Models of Comp. (IP), Databases (IP), Comp. Architecture (IP), Data Structures, Prob. & Stat. in CS

WORK EXPERIENCE

**Motorola Solutions, Champaign, IL - ** *Software Engineering / Product Management Co-op* *Mar 2025 - present*
- Leveraging AI to enhance audio quality for APX radios by implementing receiver-side AI bandwidth extension
- Gathering user queries and prioritizing issues using **Jira** to establish project timelines for team development

**University of Illinois, Urbana-Champaign, IL - ** *Course Assistant* *Aug 2024 - Dec 2024*
- Instructed students to problem solve in **Java** on the course forum and live tutoring site for **3+** hours per week
- Explained fundamentals including object oriented programming, inheritance, polymorphism, recursion, and basic data structures

**Ford Motor Company, Chicago, IL - ** *Software Reflash Technician* *May 2024 - Aug 2024*
- Contracted by Novellus Engineering through Kelly Services for the Phoenix Module Reflashing Project
- Ensured the correction of 2025 Ford Explorer infotainment systems by reflashing **25,000+** vehicles using the Ford Diagnostic Engineering Tool, **MyCANIC iOT**, and **OTA** technology to replace faulty software from assembly plant

PROJECTS

**CUBE Consulting Project - ** *Software Engineer* *Oct 2024 - Dec 2024*
- Collaborating in a **B2B agile** environment with a cross-functional team of **8** members to develop a **RAG** chatbot for real-time data analysis, resulting in a **330%** boost in operational efficiency for Ticket Attendant, a Chicago ticket brokerage company
- Leveraging the robust **GPT-4o LLM** and **text-embedding-ada-002 model** through OpenAI's **Assistants API**, along with **5+** external APIs, enabling advanced feature integration into the UI and enhancing data-driven decision-making by over **175%**

**JobWire Posting Program - ** *Back-End Developer* *Sept 2024 - Nov 2024*
- Developed a **Crontab** automation system to deliver job postings from **APIjobs.dev** to **70+ users** using **Google Cloud Platform**
- Utilized **smtplib** emailing and Discord's Developer Portal for alerts, enhancing real-time updates and user engagement by **195%**

**Personal Portfolio Website - ** *Front-End Developer* *Aug 2024 - Oct 2024*
- Built my own website (neilshastri.netlify.app) to showcase professional portfolio using **HTML**, **CSS**, and **JavaScript**
- Employed **Git** and **GitHub** for version control, ensuring seamless project updates and deployment through **Netlify**

**Machine Learning Lung Disease Prediction Model - ** *Data Engineer* *Aug 2023 - Dec 2023*
- Conceptualized a **MLR** model for disease prediction, using **2** Kaggle datasets including **2000+** features, achieving **93%** accuracy
- Designed an intuitive interface with Figma, incorporating **100%** user feedback to optimize the design for better accessibility

LEADERSHIP

**Illinois Engineering Ambassadors - ** *Tech Executive and Ambassador (Ex-Treasurer)* *Jan 2024 - Present*
- Categorizing files, maintaining social media presence, updating website content, and ensuring event scheduling across platforms
- Delivering STEM-related presentations to inspire k-12 students to pursue future careers in engineering
- Orchestrated successful fundraising campaigns with local businesses and spearheading material orders for school activities

**Association for Computing Machinery - ** *Corporate Liaison and Mentor* *Aug 2023 - Present*
- Representing UIUC's premier CS organization with **1,000+** members by managing relationships with industry partners
- Serving within the mentorship program to help incoming students adjust to the CS track and reach their academic and career goals

**Engineering Student Alumni Ambassadors - ** *Director of Marketing and Membership* *Aug 2023 - Present*
- Executing impactful marketing strategies including website renovation and social branding that effectively promote the club
- Leading a **5** member sub-team to foster positive student-alumni relations, resulting in a **150%** increase in club membership

SKILLS

Languages: Python, C++, HTML/CSS, SQL

Frameworks: NumPy, pandas, matplotlib, smtplib

Tools: Git/ Github, VSCode, Jupyter, Azure AI Foundry, Jira