

NEIL A. SHASTRI

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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:** Algorithms & Models of Comp (IP), Database Systems (IP), Comp. Architecture (IP), Data Structures, Prob. & Stat. in CS, Numerical Methods, Discrete Structures, Corporate Finance, Business Mgmt.

WORK EXPERIENCE

CUBE Consulting, Urbana-Champaign, IL - Technical Consultant

Aug 2024 - Present

- 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%**

University of Illinois, Urbana-Champaign, IL - Course Assistant

Aug 2024 - Present

- Facilitating student learning for **CS 124: Introduction to Computer Science** on the course forum and live tutoring site
- Providing **3+** hours per week of personalized guidance and engagement to foster a deeper understanding of computer science

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

JobWire Posting Program - Back-End Developer

Aug 2024 - Dec 2024

- Developing an automated email system that delivers the latest job postings from APIjobs.dev, scraping from **4000+** job boards
- Utilizing **smtplib** emailing and Discord's Developer Portal for alerts, enhancing real-time updates and user engagement by **195%**

Birthday Emailer - Back-End Developer

Nov 2024

- Engineered an automated SMTP email system that wishes **100+** users for their birthdays utilizing Google Cloud Platform APIs
- Implemented **Crontab** for daily automation, ensuring timely email delivery and seamless scalability without manual intervention

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: C++, Python, Java, JavaScript, HTML/CSS, SQL

Frameworks: NodeJS, React, Puppeteer, NumPy, pandas, matplotlib, seaborn, scikit-learn, PyTorch, smtplib

Tools: Git/ Github, VSCode, Jupyter, Android Studio, Docker, Azure AI Foundry