NEIL A. SHASTRI

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EDUCATION

University of Illinois at Urbana-Champaign - GPA: 4.00/4.00 **(*Graduating 2026*)**

- BS in Computer Science, Minor in Business - Dean's List, Kappa Theta Tau Professional Engineering Fraternity
- Coursework: Data Structures, Probability and Statistics in Computer Science, Numerical Methods, Discrete Structures, Intro to Computer Science, Intro to Accounting, Corporate Finance, and Business Management

Carl Sandburg High School, Orland Park, IL - GPA: 5.03/4.00 **(*2019 - 2023*)**

- Graduated 2/697 - Salutatorian
- President of Investment Club, Captain of Debate (IHSA public forum state finalist), Executive board member of Mu Alpha Theta, Partner of Chicago Region Trees Initiative with involvement in Mathletes, Academic Challenge in Engineering and Science, National Honor Society, National Spanish Honor Society, Soccer, Tutor Lead

WORK EXPERIENCE

CUBE Consulting, Urbana-Champaign, IL - *Software Engineer and Consultant* **(*Fall 2024 - present*)**

- Collaborating in an agile environment to develop a chatbot that utilizes RAG for real-time data analysis, enhancing customer engagement and operational efficiency for Ticket Attendant, a ticket brokerage company in Chicago
- Leveraging Open AI's robust GPT4-o LLM and ada-002 text embedding model through the Assistants API along with various ticketing APIs and existing codebase, allowing for advanced feature integration to Ticket Attendant's UI

University of Illinois, Urbana-Champaign, IL - *Course Assistant* **(*Fall 2024 - present*)**

- Providing support for CS 124: Introduction to Computer Science by engaging with students on the course forum and live tutoring site to guide abstract ways of thinking and enhance understanding of computer science fundamentals

Ford Motor Company, Chicago, IL - *Software Reflash Technician* **(*Summer 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 over 25,000 vehicles using the Ford Diagnostic Engineering Tool, MyCANIC iOT, and OTA technology to replace faulty software from assembly plant

LEADERSHIP

Illinois Engineering Ambassadors - *Treasurer and Ambassador* ***(2024 - present)***

- Orchestrating successful fundraising campaigns with local businesses and spearheading order placement procedures
- Designing STEM-related presentations to inspire middle/ high school students to pursue future careers in engineering

Association for Computing Machinery - *Corporate Liaison and Mentor* ***(2023 - present)***

- Representing UIUC's premier computer science organization with over 1,000 members by managing relationships with industry partners to fund and facilitate collaboration on projects, competitions, and recruitment events
- Serving within the mentorship program to help incoming freshman adjust to the Department of Computing and DS

Engineering Student Alumni Ambassadors - *Director of Marketing and Membership* ***(2023 - present)***

- Executing dynamic marketing strategies including website renovation and branding design that effectively promote the club's activities and mission: to promote and foster positive student-alumni relations
- Leading a cross functional team of engineers by promoting a culture of creativity, collaboration, and innovation

PROJECTS

Machine Learning Lung Disease Prediction Model - *Team Member* **(*Fall 2023*)**

- Conceptualized a multiple linear regression NLP model for patients to enter information and reach a diagnosis
- Drafted an interface using Figma after utilizing Kaggle to source data for training, testing, and validation of prototype

SKILLS AND INTERESTS

Languages: C++, Python , Java, JavaScript, HTML, SQL
Frameworks: NodeJS, React, Puppeteer, NumPy, pandas, matplotlib, seaborn, scikit-learn, PyTorch
Tools: Git/ Github, VSCode, Jupyter, Android Studio, Docker, Astra DB/ Pinecone

Interests: Weightlifting, PC gaming, Premier League/ NFL/ F1, the outdoors/fishing/hiking, cars, reffing