# SHRAVANI MHATRE

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## EDUCATION

**University of Illinois at Urbana-Champaign**                                           Expected May 2026
*Bachelor of Science in Systems Engineering and Design*
- **Concentration:** Business Systems Integration and Consulting
- **Minors:** Computer Science; Game Studies and Design
- **Relevant Coursework:** Engineering Graphics and Design, Design of Structures and Mechanisms, Data Structures and Algorithms, Engineering Design Analysis, Database Design and Management, Engineering Optimization

## SKILLS

**Programming:** Java, Javascript, Python, C++, TypeScript, SQL, MATLAB
**Technical:** Autodesk Fusion, AWS, Kaggle, Machine learning, LabVIEW, Alteryx, Ansys, Network Automation
**Honors:** Duke of Edinburgh's International Award, AI4All Certification, Stanford Inspirit AI Summer Program
**Languages:** English, French (Intermediate), Marathi, Hindi

## EXPERIENCE

**Network Automation Intern**                                                                      **Pune, India**
*Neo Automata, Tata Communications Transformation Services*                          July – August 2025
- Developed an LLM-powered AI agent for a global telecom network infrastructure to automate diagnosis and recovery of network failures, improving system reliability and minimizing the need for manual diagnostics
- Integrated agent with both upstream and downstream components of the existing client interface for closed-loop automation, allowing real-time troubleshooting and execution of automated response triggers

**Engineering Learning Assistant and Peer Advisor**                                        **Champaign, IL**
*Grainger College of Engineering*                                                          August 2024 – Present
- Led a biweekly introductory class for 20 students in Industrial and Systems Engineering
- Promoted diversity and inclusion initiatives, fostering community and guiding resource accessibility
- Provided personalized guidance and mentorship to help first-year students navigate college life challenges

**Software Engineering Intern**                                                                      **Chicago, IL**
*FuelGo*                                                                                  August – December 2023
- Integrated negotiations, documents, and purchasing into a single platform to systemize cargo fuel shipment
- Worked with a technical team to build a web app using React and AWS (Amplify, DynamoDB, Studio, AppSync), focusing on full-stack development and collaborative programming

## ACTIVITIES

**UIUC Computer-based Testing Facility (CBTF) Advisory Council**
*Student Advocacy Representative, 2 years*
- Fostered dialogue between students and university administration to advocate for their concerns
- Led collaborative initiatives within the council to pinpoint and tackle key student issues through improved communication channels, including social media initiatives, interviews, and better administrative organization

**Illinois Consulting Academy**
*Spring 2025 Cohort*
- Admitted as one of 43 students to a highly selective organization to prepare students for the consulting industry
- Expanded upon problem-solving skills and gained technical proficiency through weekly bootcamp training for case building, Excel, Tableau and Alteryx, culminating in a Smart City implementation capstone project for West Monroe

**Mottier Innovation Challenge in Industrial and Systems Engineering**
*Honorable mention, USD500 in prize money*
- Ideated and proposed a prototype for an anti-theft bike lock, addressing a key issue for college students
- Pitched the business plan for this start-up to a panel of industry experts and department heads

**Grainger First Year (GFX) Innovation Scholar**
- Admitted as one of 20 students to a program to build entrepreneurial and leadership skills, emphasizing human-centred design and culminating in a project to redesign street lighting to increase efficiency
- Addressed small-scale problems faced regularly by college students to create value-driven innovations and learn from Research Park experts and the Technology and Entrepreneurship Centre