

# Diya Patel

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## About Me

Computer Engineering student at the University of Illinois Chicago with a 3.8 GPA, focused on building practical engineering solutions across software, data, and system-level design. Experienced in developing real-world applications and applying machine learning fundamentals through rigorous coursework and independent projects, and actively seeking impactful internship opportunities.

## Education

### University of Illinois At Chicago

Computer Engineering | Electrical Engineering

- Anticipated Graduation: May 2027
- Current GPA: 3.8/4

08/2023 – Present  
Chicago, Illinois

## Courses

### CS 251 - Data Structures & Algorithms

University of Illinois At Chicago

### ECE 266 - Introduction to Embedded Systems

University of Illinois At Chicago

### ECE 225 - Circuit Analysis

University of Illinois At Chicago

### ECE 265 - Introduction to Logic Design

University of Illinois At Chicago

## Skills

**Programming Languages:** Python, C++, Java, JavaScript / TypeScript, SQL, MATLAB, Assembly

**Learning & Data Analysis:** NumPy, Pandas, scikit-learn, supervised & unsupervised learning, anomaly detection, feature extraction, model evaluation

**Signal & Image Processing (Foundational):** Time-series analysis, noise filtering concepts, FFT fundamentals, pattern recognition, OpenCV (introductory)

**Tools & Platforms:** Git/GitHub, VS Code, MATLAB Simulink, LTSpice, AWS (basic), CI/CD pipelines

**Data & Visualization:** Matplotlib, Tableau, Excel (advanced functions, pivot tables)

## Projects

### Stock Market Tracker | Machine Learning, Web Development

01/2025 – Present

*Skill: Machine Learning*

- Developed a dynamic web application using JavaScript, HTML, and CSS to display real-time stock prices and financial data
- Implemented asynchronous programming techniques for smooth data retrieval and UI updates
- Used VS Code for development and Git/GitHub for version control and collaboration
- Laid groundwork for integrating machine learning-based insights into financial data analysis.

## Organizations

### Society of Women Engineers (SWE)

09/2025 – Present  
Chicago, IL

- Active member engaging in career development, leadership, and outreach programs.
- Building a professional network through technical workshops and contributing to initiatives promoting diversity and inclusion in STEM.

### BAPS Charities – Volunteer

06/2017 – Present  
Bartlett, IL

- Contributed to local community events and fundraising efforts, fostering stronger community engagement through long-term volunteer involvement.
- Provided ongoing support for community events, educational programs, and fundraising initiatives, strengthening outreach and engagement.
- Volunteered consistently in community events and humanitarian efforts, supporting initiatives across education, health, and environmental protection.