

Om Patel

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EDUCATION

University of Illinois Chicago

Expected Graduation: May 2026

College of Engineering

GPA: 3.9/4.0

- Major in Computer Science with a Minor in Finance
- Extracurriculars: Alpha Kappa Psi, Alpha Iota Omicron, Association for Computing Machinery

WORK EXPERIENCE

University of Illinois Chicago

Chicago, IL

Data Structures and Algorithms Teaching Assistant

August 2024 - Present

- Facilitated lab sessions to provide in-depth explanations and technical guidance, helping students understand key concepts and complete assignments successfully
- Held regular office hours, offering personalized support and code debugging for over 300 students in C++, with a focus on data structures and algorithm application to reinforce critical programming skills

Outlier AI

Remote

AI Engineer

May 2024 - July 2024

- Created over 150 advanced coding prompts to evaluate the capabilities of an AI model, ensuring comprehensive code assessments and diverse problem coverage
- Tested and documented AI-generated code by running quality checks and performance evaluations, identifying areas for improvement
- Developed extensive test cases to validate code efficiency and effectiveness, ensuring consistent outputs

Lawson Products

Chicago, IL

Information Technology Service Delivery Intern

May 2023 - August 2023

- Provided comprehensive support to over 100 sales representatives and internal users by troubleshooting software and hardware issues, reducing average resolution time by 15%
- Utilized PowerShell scripting to automate device solution testing and building, boosting deployment rates by up to 25%
- Configured desktops, laptops, and personal computers with firewalls and software security measures, enhancing overall system security and compliance

PROJECTS

Personal Portfolio Website (HTML, CSS, JavaScript, Netlify)

June 2024

- Built a responsive portfolio website using HTML, CSS, and JavaScript to showcase my skills and experiences
- Optimized for desktop and mobile to ensure seamless user experience
- Deployed the website to a live production environment using Netlify to ensure accessibility

Meals 4 Me (SparkHacks Hackathon) (React.js, HTML, CSS, JavaScript, Firebase)

February 2024

- Led a 5-member team in developing a responsive recipe generator using React.js, HTML, CSS, and JavaScript, providing users with custom meal options based on dietary preferences
- Utilized Firebase authentication and realtime database to save, store, and sync user data, ensuring secure and reliable user interactions
- Implemented the use of Edamam's Recipe Search API to dynamically fetch recipes tailored to user inputs

UIC Campus Shortest Path Navigator (C++)

November 2023

- Developed a navigation tool to provide students and visitors with efficient route guidance across the UIC campus
- Constructed a detailed campus map using a graph-based adjacency list, representing buildings, pathways, and intersections as vertices and edges
- Employed Dijkstra's algorithm to calculate and deliver the shortest, most efficient routes, making campus navigation quicker and more accessible

SKILLS

- Programming Languages: Python, Java, C++, C, SQL, HTML, CSS, JavaScript, R, PowerShell
- Technologies/Frameworks: React.js, Firebase, Git, Linux