

# KIRTAN PATEL

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## SUMMARY

Graduate Computer Science student with hands-on experience in full-stack development, API integration, and database optimization. Skilled in JavaScript, ReactJS, Node.js, Python, and RESTful services, with a strong focus on building scalable, user-centric applications.

## EDUCATION

### **University of Illinois Chicago (UIC) – Chicago, IL**

Dec 2026 (Expected)

Master of Science in Computer Science

Relevant Coursework: Networking, Cryptography, Computer System Security

### **University of Illinois Chicago (UIC) – Chicago, IL**

May 2025

Bachelor of Science in Computer Science- Software Engineering Concentration

Minor in Mathematics

Dean's List (UIC College of Engineering – FALL 2023 & FALL 2024)

Relevant Coursework: Building Secure Computer System, Artificial Intelligence, Database Systems, Software Engineering 1 & 2, UI/UX, Software Design, Statistical Methods, Ethical Issues in Computing, Data Structures

## SKILLS

**Full-Stack Development:** JavaScript, ReactJS, Node.js, Express.js, Python, Flask, MERN Stack, RESTful APIs, API Development & Integration, API Testing & Debugging, Authentication (OAuth), HTML5, CSS3

**Databases & Backend:** MySQL, MongoDB, PostgreSQL, Mongoose, Query Optimization

**Tools & Deployment:** Docker, Vercel, Netlify, Git/GitHub, Postman, VS Code, Linux, Developer Documentation

## WORK EXPERIENCE

### **Technology Solutions, Office of the Vice Chancellor for Innovation, University of Illinois Chicago, Chicago, IL**

#### **IT Manager (Dec 2024-Present) | Classroom Tech Support Specialist (Aug 2022 – Nov 2024)**

- Promoted from Classroom Technology Support Specialist to IT Manager within two years in recognition of technical expertise and leadership skills.
- Oversee scheduling, hiring, and onboarding of classroom technologists; interviewed 8 of 21 selected candidates and improved new-hire readiness by 30% through structured training.
- Manage 65 printers across East Campus, overseeing printer supply and maintenance; streamlined operations to 45 active units, and reduced downtime from 12 downed units to 1 on average, saving thousands annually.
- Delivered real-time classroom support, assisting professors with newly installed technologies and ensuring seamless program execution during on-campus and external events.
- Trained and mentored 28+ new technicians and authored comprehensive troubleshooting guides, improving team efficiency and accelerating onboarding.

## PROJECTS

### **TaskFlow - Task Management App (Team Lead)**

Sep 2024 - Oct 2024

**Demo Link - <https://taskflow-grp9.vercel.app/login>**

- Led a team of four to design and build a full-stack task management application using ReactJS, Node.js, Express.js, and MongoDB, enabling users to categorize and manage tasks effortlessly.
- Developed a personalized, color-coded dashboard with a two-column layout to display today's tasks and upcoming tasks, and deployed the platform on Vercel (frontend) and Render (backend) for seamless live access, improving task organization efficiency by 35%.

### **WeatherGenie - Your Personal Genie for Weather Insights (Team Lead – UncommonHacks 2025)**

Feb 2025

**Demo Link - <https://www.weathergenie.us>**

- Engineered an interactive weather forecasting platform integrating the OpenWeather API to deliver real-time weather updates through a responsive, location-aware landing page.
- Built a premium dashboard combining Arduino-powered local weather data with API-based global forecasts, delivering hyper-local, room-specific precision for temperature, humidity, and environmental analytics using interactive graphs and visualizations.