

# Deven Patel

pdeven913@gmail.com | +1 (312) 885-9043 | linkedin.com/in/dpate423 | github.com/dpate423

## SUMMARY

Computer Science student at the University of Illinois at Chicago with experience in Tier 2 IT support and wearable technology research. Provide advanced troubleshooting for Windows and macOS endpoints including imaging upgrades network issue triage and ticket resolution. Built browser based interfaces and BLE connected workflows for an intra oral wearable platform and supported student teams developing embedded and software prototypes. Seeking full time roles starting May 2026 in software engineering full stack development embedded systems or IT support and systems administration

## EDUCATION

### Bachelor of Science in Computer Science

*University of Illinois at Chicago, Chicago, IL*

Aug 2022 – May 2026

GPA: 3.65

## EXPERIENCE

### Computer Specialist

*UIC Technology Solutions*

Sep 2023 – Present

*Chicago, IL*

- Troubleshoot faculty/staff hardware, networking, and Windows/macOS issues; resolve tickets and restore service with minimal downtime.
- Perform endpoint imaging and device upgrades; configure standard software packages and validate post-deployment functionality.
- Execute backup and recovery workflows and document resolutions to improve repeatability and reduce recurring incidents.

### Research Aide Volunteer – Wearable Technology and Sensory Enhancement (WTSE) Lab

*University of Illinois at Chicago*

2025 – Present

*Chicago, IL*

- Contributed to an intra-oral wearable device platform (retainer-style) for sensing and human-computer interaction applications.
- Supported embedded prototyping and system integration: sensor/board bring-up, firmware iteration, BLE/serial data pipelines, and reliable data capture for experiments.
- Collaborated with a multidisciplinary team to validate device behavior and improve usability for research demos, documentation, and iterative design updates.

### Teaching Assistant (CS) – Wearables and Nearables Technology Laboratory (BME/CS 479)

*University of Illinois at Chicago*

Fall 2025

*Chicago, IL*

- Led lab and office-hour support for student teams building wearable prototypes; debugged FireBeetle board setup, wiring, and sensor integration.
- Guided Arduino-to-Processing workflows (serial/BLE), real-time signal visualization, and interactive UI development in Processing.
- Coached teams on demos, video presentations, and concise technical reports; improved reproducibility by standardizing test steps and data capture.

## SKILLS

- **Languages:** Python, C, C++, Java, JavaScript, Golang, F#
- **Web:** React, Node.js, Django, Flask, HTML/CSS
- **Data/DB:** PostgreSQL, MySQL, MongoDB, Pandas, NumPy, Power BI
- **DevOps/Tools:** AWS, Azure, Docker, Kubernetes, Git, REST APIs, Postman, Microsoft 365

## PROJECTS

### AgriMitra (Python, Flask, React, MongoDB)

- Developed a full-stack platform integrating external weather APIs to support user workflows and data-driven guidance features.
- Designed REST endpoints and MongoDB schemas for scalable ingestion and retrieval; implemented frontend dashboards for status and recommendations.

### Aahar (MERN Stack)

- Created a food-sharing web app connecting donors and recipients with authentication and role-based posting and donation management.
- Built real-time listing updates and moderation-friendly flows to reduce coordination friction and improve successful match completion.