Deven Patel

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

OBJECTIVE

Seeking full-time Full-Stack or Frontend Software Engineering roles starting May 2026.CS student with experience in React, JavaScript, HTML/CSS, REST APIs, frontend–backend integration, UI state management, and browser-based interfaces for connected devices.

EDUCATION

Bachelor of Science in Computer Science Aug 2022 – May 2026
University of Illinois at Chicago, Chicago, IL *GPA: 3.65*

EXPERIENCE

Computer Specialist (Tier 2 IT Support) Sep 2023 – Present
UIC Technology Solutions *Chicago, IL*

- Provide Tier 2 endpoint support for Windows and macOS (desktop/laptop), troubleshooting OS, hardware, drivers, printers, VPN/Wi-Fi, and network connectivity; resolve high-volume tickets via ITSM with strong SLAs.
- Perform PC lifecycle operations: imaging/re-imaging, OS upgrades, software packaging/deployment, device configuration, and post-deployment validation; ensure standard builds and baseline security compliance.
- Execute backup/restore and recovery workflows; document root cause, remediation steps, and knowledge base updates to reduce repeat incidents and improve first-contact resolution.

Research Aide Volunteer – Wearable Technology and Sensory Enhancement (WTSE) Lab Aug 2025 – Present
University of Illinois at Chicago *Chicago, IL*

- Contribute to an intra-oral wearable (retainer-style) platform by supporting end-to-end prototyping, system integration, and proof-of-concept demos for sensing and human-computer interaction applications.
- Support embedded bring-up and firmware iteration (sensor integration, debugging, validation), and build reliable BLE/serial data pipelines for streaming, logging, and experiment-grade data capture.
- Develop and test browser-based interfaces for connected-device workflows (BLE connectivity, data visualization, and UI interaction); improve usability through iterative design, documentation, and stakeholder feedback.

Teaching Assistant (CS) – Wearables and Nearables Technology Laboratory (BME/CS 479) Fall 2025 & Spring 2026
University of Illinois at Chicago *Chicago, IL*

- Mentored student teams building wearable/IoT prototypes; debugged microcontroller setup (e.g., FireBeetle), wiring, sensor bring-up, and embedded/software integration across multiple projects.
- Guided real-time data acquisition and UI workflows using Arduino + Processing (serial/BLE), including signal visualization, event-driven interactions, and rapid iteration on demo-ready interfaces.
- Standardized test procedures and data-capture steps; coached teams on technical communication (demos, videos, concise reports) to improve reproducibility and project outcomes.

SKILLS

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

PASSION PROJECTS

AgriMitra (Python, Flask, React, MongoDB)

- Built a full-stack web app with React UI and Flask REST APIs; integrated external weather APIs for real-time ingestion and recommendation workflows.
- Designed MongoDB schemas/indexes to support scalable CRUD, filtering, and dashboard queries; validated endpoints with API testing.

Aahar (MERN: MongoDB, Express, React, Node.js)

- Developed a MERN platform with responsive React UI and Node/Express backend, implementing auth + RBAC and secure CRUD workflows for posts/donations.
- Improved UX with real-time UI updates and optimized API/DB integration via efficient queries, validation, and moderation flows.

Campus Map Navigation & Pathfinding (C++, Graphs, Dijkstra)

- Built a C++ console navigation tool using graph data structures (buildings as nodes, footways as weighted edges) to model a campus map and route queries.
- Implemented Dijkstra's algorithm for shortest paths; added meeting-point selection by computing building centroids and choosing the closest midpoint building.