

# Prem Patel

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## EDUCATION

### Purdue University -3.76 GPA

Expected Spring 2026

*Bachelors in computer science*

- **Relevant Coursework:** Data Structures, Data Science, Artificial Intelligence, Computing I, Computing II, Data Organization & Representation, Fundamentals of Web Development, Intro to Client-side Web Programming, Discrete Computational Structures
- **Student Activities:** Board Member – Indian Student Cultural Association | Member – IEEE Computer Society

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## SKILLS

- **Product & Technical:** Agile/Scrum, Wireframing, Requirements Gathering, A/B Testing, Product Road mapping
- **Languages & Tools:** Python, JavaScript, React, SQL, Typescript, Django, Java, Golang, HTML/CSS, Azure, Data Bricks
- **Data & Analytics:** R, SQL, Data Visualization, User Research, KPI Tracking, Microsoft Office Suit

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## PROFFESIONAL EXPERIENCE

### Product Engineer Intern | Dicks Sporting Goods

May 2025 – July 2025

*Typescript, React, CS*

- Spearheaded development of a tablet-first Cart Lookup feature in Endzone Anywhere, enabling store associates to access customer carts across mobile and special-order checkouts.
- Partnered with Product and UX teams to translate business goals into high-impact, user-centric features, enhancing checkout efficiency and overall usability.
- Delivered responsive UI components aligned with tablet design specs, improving multi-device navigation by 30%.

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## RELEVANT PROJECTS & LEADERSHIP

### Product Strategy Student Developer | Indiana Fever

Aug 2024 – May 2025

*R, SQL, Python*

- Collaborated with cross-functional stakeholders to define requirements and KPIs for a data-driven player archetype model.
- Created custom performance metric to summarize player impact across games and seasons, enabling coaching staff to make real-time adjustments
- Aligned data insights with team strategies to support talent evaluation and performance monitoring.

### Interactive Website for Clothing Brand

Jan 2024

*HTML, CSS, JavaScript,*

- Launched an interactive online store with secure checkout, real-time analytics dashboard, and integrated inventory management.
- Applied user research and iterative testing to optimize product display and streamline checkout flows, increasing user engagement.
- Implemented SEO and performance optimization, resulting in improved search ranking and faster page load times.

### Fantasy Football Stat Tracker

Oct 2023

*Python, Integrated APIs*

- Built a data visualization tool integrating live sports APIs to inform draft decisions, trades, and player comparisons.
- Introduced customizable dashboards and draft recommendations based on predictive performance models

### Coding Instructor & Curriculum Developer | Avon Middle School South

May 2024- Aug 2024

- Designed and led interactive workshops teaching Python and web development, nurturing early tech interest among students.
- Mentored and supported students: Provided individual and group support to students, helping them to troubleshoot code, understand concepts, and develop problem-solving skills
- Developed a project-based curriculum and hosted coding challenges to build collaboration and critical thinking skills