

# Aditya Patel

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## EDUCATION

**Purdue University - West Lafayette, IN**

**Expected Graduation: May 2025**

*Bachelor of Science in Computer Science, Minor in Business Economics*

*GPA: 3.72*

- Concentrations: Software Engineering and Machine Intelligence

## SKILLS

**Languages:** JavaScript, C/C++, Java, Python, HTML/CSS, Kotlin, R, Swift, Bash

**Frameworks/Libraries:** React, Node.js, SwiftUI, Git, Docker, express.js, Firebase,

**Other Technologies:** Web/App Development, Cloud Computing,

**Awards:** USACO Gold, Dean's List - 3 Semesters, Semester Honors - 2 Semesters

## EXPERIENCE

**WeBee Smart Irrigation, Purdue University**

**Aug 2022 – May 2023**

*Undergraduate Data Science Researcher*

*West Lafayette, IN*

- Developed a data pipeline using WHIM Rest API, R, Python, and SQL to store data from Weather systems.
- Manipulated South American moisture sensor data from WeBee to craft an accurate moisture prediction model in order to save freshwater in agricultural sector.

**University of Chicago**

**Oct 2021 – Jan 2022**

*University Research Assistant, Backend Software Developer*

*Remote*

- Worked under Noelle Huang with Professor John List's team at the Kenneth C. Griffin Department of Economics to provide algorithmic solutions to improve their research data gathering process.
- Created and implemented backend architecture, integration and documentation for team's data collection needs using Ease Attendance and various other microservices.
- Designed and implemented a customized responsive dashboard to view data while study was being conducted.

**Ease Attendance** –[easeattendance.com](https://easeattendance.com)

**Feb 2021 – Current**

*Founder/Software Developer*

*Fremont, CA*

- Developed internationally adopted SaaS that helps teachers take attendance for their classes quickly over Zoom and Webex. Adopted at over **5,000 institutions**, with over **45,000 users**.
- Integrated major technologies including FireCloud DB, authentication, AES Encryption, web hosting and security, adapting Zoom and Webex REST API and programmed front-end development for the dynamic user dashboard.
- Led collaborative efforts with Cisco Webex to enhance Ease Attendance by developing Webex's REST API for developers. Leveraged these APIs to seamlessly incorporate Webex support into the software.

## PROJECTS

**Rift for Infinite Campus** | *Swift, SwiftUI, iOS Development*

**Nov 2021 – Present**

- Designed and developed an iOS app to view grades, assignments, and SIS information. Allowed students to optimize study plans and better plan their schedule.
- Designed backend REST API to collect data from Infinite Campus School Data System.
- Marketed and promoted use to grow app to over **7500 users** as of Nov 2023

**MyCadences** | *Spotify API, JS, Node.js*

**Jan 2024**

- Developed web app to algorithmically create playlists for users, along with song analysis tool that provides detailed insights into various musical attributes of user-inputted music.

**Chess AI** | *C, JavaScript*

**May 2022**

- Utilized classical AI techniques to create a chess algorithm that plays users at about 1200 ELO.