

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

Technologies: Web/App Development, Cloud Computing, Data Analysis, Artificial Intelligence

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

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.