

Aditya Patel

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EDUCATION

Purdue University - West Lafayette

Aug 2022 - May 2025

B.S. in Computer Science w/ minor in Business Economics

GPA: 3.72

- Relevant Classes: Data Structures and Algorithms, Computer Architecture, Programming with C, Java, Intro to AI, Systems Programming, Discrete Math, Linear Algebra, Software Engineering
- Concentration in Software Engineering and Machine Intelligence
- Dean's List - 3 Semesters, Semester Honors - 2 Semesters

PROFESSIONAL EXPERIENCE

WeBee Smart Irrigation, Purdue University

West Lafayette, IN

Undergraduate Data Science Researcher

Aug 2022 - Jan 2023

- Collaborated with WeBee to analyze data from soil sensors and weather data to improve irrigation timings in various countries in South America.
- Used WHIM Weather API to accurately craft a moisture prediction model to reduce freshwater waste.
- Trained to use R, SQL, and Python to process data and create irrigation trends models.

University of Chicago

Remote

University Research Assistant, Backend Software Developer

Oct 2021 - Jan 2022

- Worked under Noelle Huang with Professor John A. List's team at the Kenneth C. Griffin Department of Economics to provide algorithmic solutions to improve the research data gathering process for an Economics Research Study.
- Created and implemented backend architecture, integration and documentation for team's data collection needs using Ease Attendance and various other web software.
- Designed and implemented customized features to meet the research team's data collection needs.

Rift for Infinite Campus - riftapp.io

Fremont, CA

Founder/Developer

2022 - Current

- Designed backend RestAPI to receive data from Infinite Campus School Data System.
- Designed and developed an iOS app to view grades, assignments, and SIS information. Allowed students to optimize study plans and better plan their schedule.
- Marketed and promoted use to grow app to over 7500 users and 500 daily active users as of Nov 2023

Ease Attendance - easeattendance.com

Fremont, CA

Founder/Developer

2021 - Current

- Developed free, internationally adopted software that helps teachers take attendance for their classes quickly over Zoom and Webex.
- 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.
- Propelled product adoption to over 5,000 institutions, benefiting more than 45,000 students in 50+ countries.
- 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.

Coding Tomorrow Initiative

Fremont, CA

Chapter President

Aug 2020 - Dec 2021

- Taught over 200 students an Intro to CS, along with recruiting 12 other instructors
- Designed a website for advertising and class sign-ups.

SKILLS

Skills: Android Development, JavaScript, C/C++, Java, Python, Web Development, React.js, Bootstrap, Data Analysis, Django, Docker, Digital Ocean, Firebase, Git, Heroku, HTML/CSS, Kotlin, Node.js, Pandas, R, Agile

Awards: USACO Gold

Languages: French, Hindi, English