

# Adarsh Patel

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## EDUCATION

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### University of California, San Diego

La Jolla, CA

*Bachelor of Science in Computer Science*

*Sept. 2022 – June 2024*

- **Coursework:** Data Structures, Algorithms, Software Engineering, Database Analytics Applications
- **GPA:** 3.73

### Cypress College

Cypress, CA

*Associate Degree for Transfer in Computer Science*

*Aug. 2020 – May 2022*

## EXPERIENCE

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### Cypress College

Cypress, CA

*Calculus II Supplemental Instruction Leader*

*Jan 2022 – May 2022*

- Tutored over 40 students by hosting two two-hour sessions weekly improving test scores by 20%.
- Created handouts, problems and practice tests to help students broaden their understanding of calculus.
- Provided support daily through Discord and emails increasing the number of questions asked by students.

## PROJECTS

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### Analytics Dashboard | *HTML, CSS, Node.js, PHP, MySQL*

April 2023 - June 2023

- Created a web server using **Apache** and **Digital Ocean** to track and visualize user's static, performance and activity data.
- Implemented a **RESTful API** using **Node.js** to store and retrieve user data efficiently from a **MySQL** database.
- Developed an authentication system using **HTML**, **CSS**, and **Node.js**, incorporating **JWT** authentication to provide secure access to the dashboard.
- Utilized **PHP** to extract data from the database, enabling authenticated users to perform **CRUD** operations on an user management grid powered by **ZingGrid**.
- Integrated **ZingChart** to generate interactive charts, allowing users to interact with and analyze data, providing insightful reporting capabilities.

### Origami Fortune Teller | *HTML, CSS, JavaScript*

April 2023 – June 2023

- Led a team of 9 developers through the development life cycle of an Origami fortune teller web application using **HTML**, **CSS** and **JavaScript**.
- Utilized **Git** and **GitHub** extensively for maintaining version control, weekly sprints, and issue assignment, ensuring the team stayed organized and on track throughout the project.
- Established a robust **CI/CD** pipeline integrating linting, the **Code Climate** quality checker, a manual pull request review, automated testing using **Puppeteer** and **Jest**, and **JSDocs** for streamlined development and deployment.
- Practiced **Agile** methodologies, including brainstorming, wire-framing, user personas, sprint reviews, retrospectives and daily stand-ups to foster collaboration and maintain project momentum.

## TECHNICAL SKILLS

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**Languages/Frameworks:** Java, C++, MySQL, JavaScript, HTML/CSS, PHP, Node.js, Jest/Puppeteer, SystemVerilog, Python

**Developer Tools:** Git, Linux, Visual Studio, ModelSim, Quartus, DESim, XCode

## CERTIFICATIONS

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**International Peer Educator Training Program:** Issued May 2022 from Cypress College