

# Aadit Dubey

San Jose, CA | 5642109631 | dubeyaadit@gmail.com | <https://www.linkedin.com/in/aaditdubey/>

## EDUCATION

### Bachelor of Science, Software Engineering

Aug 2019 - Dec 2023

San Jose State University, San Jose, CA, CGPA: 3.66/4.00

Relevant Coursework - Web Development, Database Management, Data Structures and Algorithms, Object Oriented Programming, Distributed Software Development, Systems Programming, Computer Organization and Architecture

## PROFESSIONAL EXPERIENCE

### Software Engineer Intern, Snapbrillia, San Jose, CA

May 2022 - Aug 2022

- Collaborated within an Agile team structure to create a comprehensive web application, leveraging microfrontend architecture, React, TypeScript, Node.js, and MongoDB.
- Architected robust two-factor authentication and Context API resulting in bolstered security measures, efficient rendering, and an improved user experience.
- Crafted reusable and responsive front-end components, ensuring consistency and scalability across the microservices based architecture.
- Utilized RESTful API endpoints and HTTP methods to efficiently retrieve and manipulate data, enhancing functionality and interactivity of the web application.

### Teaching Assistant, Computer Science department, SJSU, San Jose, CA

Aug 2021 - Apr 2022

- Graded and evaluated the performance of 117 students in database, data structures and algorithms.
- Delivered mentorship to 45 students, answering questions and clarifying concepts related to MySQL and Java.
- Conducted office hours and review sessions, addressing individual concerns and providing constructive feedback to improve student performance.

### Full Stack Development Intern, R S InfoCon INC, Indore, India

Aug 2020 - Dec 2020

- Designed the front-end of web applications using JavaScript, Angular, React, CSS, HTML, and Flutter, ensuring a visually appealing and user-friendly interface.
- Engineered and executed an efficient business entity relationship management system resulting in scalable models.
- Troubleshoot and resolved site-related design problems, maintaining a uniform UI across multiple platforms.

## SKILLS

JavaScript, Java, TypeScript, Python, Kotlin, Dart, Flutter, Swift, React, Angular, Django, Flask, React native, jQuery, PHP, ExpressJS, Node.js, MongoDB, SQL, PostgreSQL, AWS, Firebase, .NET, Git, JIRA, HTML, CSS

## PROJECT EXPERIENCE

### ESP32 Microcontroller-Based Silent Interactive Doorbell, Personal Project

Apr 2023 - Present

- Connected ESP32 microcontrollers, one acting as a receiver and others as bells, to a React frontend application.
- Created a seamless bidirectional communication system deploying WebSocket, Node.js, ExpressJS and Socket.IO to enable real-time interaction between clients and ESP32 microcontrollers via a server.
- Implemented a web application in React allowing users to handshake with different receivers and control the state of LEDs placed on the ESP32 microcontrollers, resulting in a "digital knock".
- Technologies and Frameworks: ESP32, Arduino, React, Node.js, ExpressJS, Socket.IO and PlatformIO.

### Hotel Reservation Website, Class Project

Aug 2022 - Dec 2022

- Led a team of 10 students in the development of an end-to-end hotel reservation website using MERN stack, resulting in a fully functional website that allows users to browse over 5000 hotels and book over 15 services.
- Implemented a loyalty-based reward point and initial incentive system as a functionality of the website.
- Designed and developed the website's front-end using React and wrote RESTful APIs for the middleware, resulting in a user-friendly interface and smooth navigation.
- Technologies and Frameworks: MySQL, ExpressJS, React, Node.js, JavaScript, CSS, JSX, JOI, Spring Boot and Postman.

### Fynanc Administration Panel, Class project

Jan 2022 - Dec 2022

- Developed an administration panel for Fynanc, a financial technology startup, providing role-based authorizations to employees and displaying activity and information of clients.
- Managed a client base of 1200 per month that has grown 47% in the first 3 months and an employee base of 70.
- Technologies and Frameworks: MongoDB, ExpressJS, Angular, Node.js, JOI, TypeScript, CSS, HTML and Postman.