

Jaydeep Gondaliya

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Education

Master's in Computer Science (GPA: 3.79)

California State University, Los Angeles, CA

Aug 2023 – May 2025

Bachelor of Computer Engineering (GPA: 3.44)

Gujarat Technological University, Gujarat, India

Aug 2013 – Jun 2017

Coursework : Advanced Web Development, Design and Analysis of Algorithms, Advanced Functional Programming, Advanced Topics in AI, Introduction to Data Science, Topics in Advanced Data Science, Advanced Software Engineering.

Skills

Languages: JavaScript, Java, Python, HTML, CSS

Back-end: Node.js, Express.js, Spring Boot

Front-end: Vue.js, React Native

Database: MongoDB, SQL, Firebase

Tools/Libraries: Pandas, Matplotlib, Scikit-learn, NumPy, GitHub, Git, JIRA, Redis

Experience

Graduate Research Assistant

California State University

Feb 2025 – Present

- Contributed in the research on LLM to find cosine similarity with 90% accuracy.

Software Developer

Alphaved Pvt Ltd, Surat, Gujarat, India

Jun 2020 – Jul 2023

Tech Stack : JavaScript, Node.js, Express.js, Json, MongoDB, Redis, GIT.

Project: *Desilook Lifestyle*

- Engineered backend APIs using Node.js and Express with JWT-based authentication and role-based access control, enhancing system security and reducing unauthorized access attempts by over **70%**.
- Implemented performance optimizations such as lazy loading, Redis caching, server-side pagination, and CDN for static assets, improving page load speed by **40%**.
- Integrated Razorpay for secure payment processing with real-time transaction verification and intelligent failure handling, reducing payment-related errors by over **60%** and improving checkout success rate.

Junior Software Developer

Webcodez Infoway, Rajkot, Gujarat, India

Feb 2018 – May 2020

- Collaborated in building server-side applications using Node.js and Express for the Angel Cineworld project, managing API requests and database integration with MongoDB, leading to a **25%** improvement in data retrieval efficiency.
- Engaged in code maintenance, debugging issues, and participating in code reviews, ensuring clean and maintainable code, which contributed to a **15%** decrease in bug-related support tickets.

Junior Programmer Trainee (Internship)

Aisomex Pvt. Ltd., Rajkot, Gujarat, India

Jun 2016 – Dec 2016

Tech Stack : Java, XML, SQLite, Android SDK.

- Designed a dual-role user system (Students and Work Providers), improving on-boarding clarity and task matching efficiency by over **50%**.
- Recommended real-time messaging and Firebase integration, expected to improve response time and user satisfaction by **60%**.
- Optimized image upload mechanism (compression + resizing), reducing upload times by over **50%** and decreasing app crash frequency on low-end devices.

Personal Projects

AI Town Simulation [GitHub Link](#)

Oct 2023 – Dec 2023

Technologies: JavaScript, TypeScript, Node.js, Python, GPT-4 API, Convex

- Built an AI simulation using GPT-4 API, enabling agents to hold dynamic conversations.
- Deployed on Convex for real-time sync and live updates.

Restaurant Application [GitHub Link](#)

Sep 2023 – Nov 2023

- Designed a mobile application using React Native and Firebase, achieving **76%** efficiency in performance and ensuring a seamless user experience.
- Utilized QR codes for table reservation and assignment, resulting in a **50%** reduction in reservation time for users..
- Implemented live traffic observation and revenue prediction features for the management side, improving decision-making speed by **30%**.
- Integrated sorting and binary search algorithms to enhance food item search speed by **83%**, significantly improving user satisfaction.

Certifications

- Walmart's Advanced Software Engineering Job Simulation — Forage
- J.P. Morgan Software Engineering Virtual Experience — Forage

Sep 2024

Jul 2024