Om Rabadia

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EDUCATION

University of California, San Diego — Sep. 2021 – June 2025
B.S. Computer Science with a Specialization in Bioinformatics, Minor in Economics — *La Jolla, CA*
- Relevant Coursework: Computer Organization & Systems Programming, Database Systems, Software Engineering, Bioinformatics Data Processing (Bash/Linux), Data Structures & Algorithms, Data Science in Python
- Hydroficient IoT Cyber Defense Externship: 8-week program covering network security, threat modeling, IoT security fundamentals, and risk assessment (Jan. 2026 - Mar. 2026)
- Activities: CS foreach, IEEE - Eta Kappa Nu Honors Society (top 25% of engineering students)

EXPERIENCE

Founding Full-Stack Software Engineer — Oct. 2025 – Present
ServiceAgent — *Austin, TX*
- Designed agentic AI workflows in n8n integrating HubSpot, Large Language Models, and Airtable using webhooks and REST APIs to automate CRM syncing and lead qualification, reducing manual operational effort by 30%.
- Planned and executed complete infrastructure migration from HostGator to GoDaddy, including DNS configuration, email migration to Zoho, and website deployment, ensuring zero downtime for business operations.
- Diagnosed user onboarding bottlenecks through analytics and implemented targeted UX improvements, increasing sign-up conversion rate by 7%.

Frontend Software Engineering Intern and Team Lead — June 2024 – Sep. 2024
Pullscription — *San Diego, CA*
- Led frontend development from scratch to production launch using Vue.js, HTML, CSS, and TypeScript.
- Implemented OAuth2-based authentication via Auth0 for secure user access control and session management.
- Enhanced frontend performance and UX by optimizing API calls, reducing data-fetch latency by 5%.

LEADERSHIP / EXTRACURRICULAR

Vice President of Outreach — June 2024 – June 2025
IEEE - Eta Kappa Nu Honors Society — *La Jolla, CA*
- Led a team of 15+ volunteers to deliver 70+ hands-on technical presentations annually to 500+ K-12 students on topics including circuit design, programming fundamentals, and robotics, adapting complex engineering concepts for diverse audiences from elementary to high school levels.
- Secured corporate partnerships with Collins Aerospace and Qualcomm to co-deliver technical demonstrations and obtained a $1,000 grant to provide transportation for students from underserved communities.

PROJECTS

Food Ordering App (In Progress) | *React, Node.js, Express, MongoDB, Stripe API* — Dec. 2025 – Present
- Building a full-stack mobile-responsive web app for a 4.7-star local restaurant using MERN stack to enable online ordering and payment processing, saving the business $200 monthly in third-party storefront fees.
- Developing an Admin Dashboard for restaurant staff to manage orders, track real-time financial metrics, update menu items, and analyze daily sales performance and order trends.
- Architecting automated post-checkout workflows integrating Stripe for payment processing, Twilio Voice API for restaurant notifications, and Amazon SES for order confirmation emails.

PantryPal | *Java, JavaFX, JUnit, OpenAI APIs, MongoDB, Git, Gradle* — Oct. 2023 – Dec. 2023
- Collaborated on a Java application that generates recipes from user-provided ingredients using OpenAI Whisper for voice input and ChatGPT for recipe generation, featuring a JavaFX GUI and a MongoDB backend.
- Practiced Agile and CI/CD methodologies, applying Behavior-Driven Development (BDD) to align engineering output with user needs, reduce rework, and accelerate iteration cycles in a fast-moving product environment.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java, C/C++, SQL, HTML/CSS, Bash
Frameworks & Libraries: React, Next.js, Vue, Nuxt.js, Node.js, Express, Tailwind CSS, FastAPI
Cloud & Infrastructure: MongoDB, PostgreSQL, Docker, AWS (SES), REST APIs, OAuth2, DNS Management
Tools & Integrations: Git, GitHub Actions, n8n, Stripe, HubSpot, Airtable, OpenAI APIs