Kinnari Kotadiya

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EDUCATION

California State University, Los Angeles **Jan 2024 - Dec 2025**

Master of Science in Computer Science *GPA: 4.00 / 4.00*

Coursework: Data Structures and Algorithms, AI, Software Engineering, Data Science, Operating Systems, Advance Web Technology
Award: Dean's Honor List | Teaching Assistant: Object-Oriented Programming | Open Source Contributor

LDRP Institute of Technology and Research, Gujarat, India **Aug 2015 - May 2019**

Bachelor of Engineering in Information Technology *GPA: 3.98 / 4.00*

SKILLS

Programming Languages: JavaScript, TypeScript, Python, Golang, C, C++, C#, Kotlin
Backend Development: Node.js, Express.js, NestJS, Django, Flask, Context API, GraphQL
Frontend Development: React.js, Angular, Next.js, VueJs, Redux, Ant Design, Webpack, HTML, CSS, jQuery, Tailwind CSS
Database & Cache: MySQL, PostgreSQL, MongoDB, DynamoDB, PowerBI, Elasticsearch, Redis, SQL, NoSQL
Technologies & Tools: IPv4/IPv6, WebSockets, SOAP, REST APIs, HTTP/HTTPS Protocols, Git, Selenium
Infrastructure & Cloud: Docker, AWS (EC2, S3, Lambda), GCP, Jenkins, Terraform (Infrastructure as Code – IaC), Kafka, Kubernetes
Soft Skills: Problem-solving, Critical Thinking, Writing & Verbal Communication Skill, Cross-Functional Collaboration, Adaptability

WORK EXPERIENCE

Xedu.app, *Maryland, USA | Software Engineer Intern* **Jan 2025 - May 2025**

- Revamped schema design using **Prisma ORM**, revising query performance by 20%, enhancing web scalability for 10K users
- Integrated **Stripe APIs** and asynchronous **webhooks** for secure payment processing using NodeJS (ES6) and Java, increasing transaction success rate by 25% while ensuring robust audit logging and continuous deployment via Git **version control**
- Developed client-facing **prototypes** and DOM Interfaces with **Figma UI** mockups to present business value to stakeholders

Infosys, *Bangalore, India | Senior Software Engineer* **Sep 2023 - Jan 2024**

- Delivered 25+ cross-browser compatible web pages at **Danske Bank**, elevating digital platform experience for over 1M+ users
- Streamlined **CI/CD pipeline** on Azure DevOps and Jenkins, simplifying review time by 25% through optimized **Git** workflow
- Authored 50+ integration unit test cases using **JUnit/Jest**, restructuring test debugging and runtime regressions for reliability
- Designed responsive frontend interactions using **RTK Query**, overhauling API data flow latency by 30% and throughput

Openxcell Technolabs, *Gujarat, India | Senior Software Engineer* **June 2022 - Aug 2023**

- Spearheaded a 10-member team at **Jeeves** (YC-backed fintech SaaS) from **MVP to Series C**, delivering demo ready UI flows with design patterns, code reviews and scalable planning for 100K+ users across 3 continents
- Drove product **revenue growth** in 3 months by launching Stripe-based virtual card payment solution in UK, and Europe
- Deployed event-driven full-stack microservices in Node.js with **XML/JSON** ETL pipelines, increasing system reliability by 22%
- Enhanced system observability by implementing 20+ monitoring rules and alerts in **DataDog** for **microservices** on AWS, utilizing AWS **CloudWatch** for logs and diagnostics, and cutting down MTTR by 30% through proactive monitoring

Openxcell Technolabs, *Gujarat, India | Associate Software Engineer* **Sep 2019 - May 2022**

- Migrated a React codebase to Next.js, embedding **SEO** optimization and analytics tools, boosting web traffic visibility by **2x**
- Engineered JWT based authentication using MVC architecture for a PWA-based **B2B e-commerce** web, supporting wholesaler
- Built reusable front end Bootstrap components using CSS preprocessor and **CDN**, doubling the platform lighthouse score

PROJECTS

QueryMate | *ReactJS, OpenAI API, SQL* **GitHub**

- Built an end-to-end web app enabling **SQL** database design from **natural language**, boosting troubleshooting for non-technical users by 80% leveraging **OpenAI's** API and **LLM-based language** data processing
- Engineered secure **prompt** engineering, consolidated into API dev tools to support real-time testing and deployment pipelines

MediChain AI | *LangChain, OpenAI, LLM inference, Agentic AI, Python, Flask* **GitHub**

- Orchestrated a **multi-agent AI system** simulating doctor-patient diagnostic workflows operating **LangChain** and OpenAI function calling, showcasing real-time, goal-driven system reasoning across 5+ task steps
- Agents collaboratively extract clinical entities, suggest conditions, and explain reasoning using **contextual memory, multi-step planning**, and role-based chaining, achieving **90%+ diagnostic coverage** in healthcare decision support

Connect Hive | *NextJS, TypeScript, Firebase, Chakra UI* **GitHub**

- Constructed a full stack Reddit clone with **NextJS** and **Firebase**, synthesizing real-time updates and **Google auth** for users
- Implemented **data encryption**, upvotes/downvotes posts, dark/light modes, and community management features with back-end following agile methodology for a responsive, and engaging UX/UI user experience