NAISARG HALVADIYA

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+1-(628)-946-0347 | San Francisco, CA (Ready to Relocate)

EDUCATION

- San Francisco State University – Master of Science in Data Science [3.9 GPA] **Expected Graduation: Aug 2025**
- Nirma University, India- Bachelor of Technology in Computer Engineering [7.37/10 GPA] **May 2019**

SKILLS

- **Languages & Frontend**: JavaScript (ES6+), TypeScript, React.js, Angular, Next.js, Vue.js, HTML5, CSS3, Tailwind CSS, Bootstrap
- **Backend & Frameworks**: Node.js, Express.js, Flask, Django, FastAPI
- **Databases**: PostgreSQL, MySQL, MongoDB, Microsoft SQL Server, Redis, Firebase
- **DevOps & Cloud**: AWS (EC2, S3, Lambda, API Gateway), Docker, Kubernetes, Nginx, GitLab CI/CD, GitHub Actions
- **Testing & Security**: Cypress, Jest, Selenium, JWT, OAuth2, Role-Based Access Control
- **Architecture & Patterns**: Microservices, RESTful APIs, Serverless, Caching, Message Queues (Kafka, RabbitMQ), Load Balancers

EXPERIENCE

Mu Sigma Innovation & Development Labs | Senior Software Engineer **[Oct 2019 - Jul 2023]**

Enterprise Knowledge & Decision Platform

- Built a **React.js + Node.js platform used by 10,000+** users to centralize reusable solution artifacts, enabling cross-domain collaboration and **reducing time-to-delivery by 25%**
- **Improved artifact discoverability and engagement by 20%** via A/B tested UI enhancements and personalized workflows
- **Cut retrieval latency by 30%** using a metadata tagging system, SQL indexing, and Alfresco CMS integration for faster enterprise search
- Achieved **sub-second API responses for 5,000+ daily active users** by tuning Node.js services and introducing Redis-based caching layers
- **Reduced deployment defects by 90%** by implementing Cypress tests and enforcing GitLab CI/CD pipelines, accelerating QA feedback loops
- Enabled commercial reuse of solutions across **30+ Fortune 500 clients, driving $500K+ in revenue** through modular delivery and artifact packaging

Agent-Based Simulation Optimization

- **Reduced simulation runtime by 78%** by optimizing backend infrastructure, enabling efficient analysis of 100,000 agents over a 1-year period
- Collaborated with 5 data scientists to integrate simulation outputs into client dashboards, **cutting decision-making time for product launches by 20%**
- Scaled simulations to **support 10+ concurrent campaigns without degradation**, ensuring reliable pre-launch insights for enterprise clients

Employee Performance Review System

- **Automated performance evaluations for 2000+ internal employees** by developing a 360-degree feedback platform using Angular, Node.js, PostgreSQL, **reducing manual review time by 70%** and standardizing annual appraisal workflows
- Built **50+ RESTful APIs for real-time feedback dashboards, cutting promotion decisions by 40%**
- **Secured data with RBAC and OAuth 2.0**, enforcing role-based access for managers and HR
- Set up **GitLab CI/CD pipelines with unit/integration tests**, ensuring seamless deployments during critical review cycles

Client Engagement & Retention System

- Identified 50% of at-risk trial clients by tracking sentiment through feedback from client-facing delivery teams, enabling timely interventions
- **Reduced client churn by 25%** by collaborating with leadership to design tailored solutions addressing client challenges during trial engagements
- **Improved renewal rates by 15%** by resolving client concerns within 48 hours through streamlined follow-ups with delivery teams

San Francisco State University | Software Engineering Tutor **[Sep 2023 - Present]**

- Mentored **500+ students in full-stack (React.js, Node.js, REST APIs),** bridging theory and production practices to boost project completion by 30%
- **Slashed grading time by 50%** by developing automated Python scripts, **freeing 10+ weekly hours** for personalized coaching and code reviews
- **Guided 30+ group projects** to adhere to industry standards (testing, CI/CD), achieving 95% on-time deployment success

ACTIVITIES

- **Awards & Recognitions:** Received 5 awards at Mu Sigma for leadership, innovation, and communication
- **Hackathon Winner**: Awarded "Best Emerging AI Hack" at SF Hacks 2025 for developing a data guardrail solution. Engineered a browser extension integrated with a Python backend utilizing Ollama with the Mistral model, complemented by a React.js dashboard enabling users to define sensitivity rules, protecting sensitive data during GenAI platform interactions
- **Headstarter.AI Fellowship:** Immersed in emerging trends of SWE and AI integration, emphasizing agility. Delivered 4 AI prototypes in 5 weeks, achieving early traction by rapidly iterating solutions with a user-centric focus

PROJECTS

SmartResumeAI [GitHub] **[Jan 2025 - Feb 2025]**

- Engineered a cross-platform resume analyzer by integrating Gemini LLM for NLP-driven gap detection, refining real-time skill recommendations
- Architected a Flask backend to handle asynchronous data processing, overcoming challenges in mobile-to-server synchronization

EduBridge [GitHub] **[Feb 2024 - Dec 2024]**

- Created a modern LMS prototype (React.js, Node.js, AWS, Directus CMS) integrating emotional cues to support instructor interventions
- Automated CI/CD pipelines with Jest and GitHub Actions, enforcing test-driven development for AWS deployments

PortAI [GitHub] **[Jul 2024 - Sep 2024]**

- Built a context-aware chatbot by vectorizing LinkedIn/GitHub data in MongoDB, enhancing query relevance with Gemini's NLP
- Optimized conversational workflows to mimic customer support interactions, prioritizing speed and accuracy in response generation

FlareGraph [GitHub] **[Sep 2023 - Dec 2023]**

- Developed a Dash + Flask visualization tool with Plotly, analyzing 5 years of fire incidents in residential and commercial buildings
- Delivered predictive hotspots to aid emergency teams in resource allocation and faster response times