Zarana Sanjaykumar Nakrani

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Skills

Programming Languages: Javascript, Python, Java, TypeScript
Web development: HTML, React.js, Tailwind CSS, Node.js, Express.js, FastAPI, PostgreSQL, MongoDB, Supabase
Cloud and Devops: AWS (S3, EC2, Lambda, EMR, EKS, Kinesis, SageMaker, Data Wrangler), Docker
ML libraries: Pandas, Numpy, Tensorflow, Pytorch, Scikit-Learn

WORK EXPERIENCE

Kokun Inc   Los Angeles, CA
Software Engineer   Oct 2025 - Present
  - Integrated Mailchimp's Email List API into the application's workflow, reducing management overhead by 25%.

Community School of Arts Foundation   Los Angeles, CA
Frontend Engineering Intern   Aug 2025 - Oct 2025
  - Integrated Stripe payments into the frontend using the **Stripe.js** module, enabling secure and seamless transaction processing.

Tramona Inc   Remote (Based in Seattle, WA)
Software Development Engineer Intern   May 2024 – Aug 2024
  - Shipped production ready features using **Next.js, TypeScript, and tRPC API** contributing to the successful launch of tramona.
  - Translated Figma designs into **10+ responsive web** interfaces using **Next.js** and **Shadcn UI** enhancing **user experience.**
  - Utilized **tRPC** reducing api calls and network bandwidth while fetching data from outer resources.
  - Revamped messaging system using **WebSockets** and **React**, enabling real time communication for authenticated and unauthenticated users with concierge.

Divine Systems Pvt Ltd   Ahmedabad, IN
Software Development Engineering - Full Stack   Jan 2022 – June 2023
  - Collaborated on designing **ER diagrams** for Full Stack web applications from scratch, **modeling 10+ entities** and ensuring scalable and normalized data structure for efficient backend operations.
  - Developed a **robust role based access control** system, enabling secure feature access for 5+ user types, improving data security and user experience across the platform using **JWT and Express.js**.
  - Fabricated **reusable React components** to make projects easier to maintain and scale, which sped up development by 25% and helped the whole team work more efficiently.
  - Implemented **CI/CD pipelines** using **Jenkins and Docker**, Deploying on **AWS EC2 and RDS**, accelerated release cycle and **improved deployment reliability** through automation and standardized process

PROJECTS

IoT Sensor Anomaly Detection (Python, MQTT, Docker)
  - Built a local smart home anomaly detection system with Python, MQTT, and Docker to monitor IoT sensor data in real time.
  - Trained and deployed an IsolationForest model on historical sensor data to detect anomalies across humidity, temperature, and power usage with 97% detection precision
  - Implemented a real-time alerting pipeline that delivered email notifications via SMTP within 2 seconds of detection

Financial Data Pipeline and Insights Engine (Python, FastAPI, Apache Kafka, Redis, PostgreSQL)
  - Designed **REST APIs** with **FastApi** to fetch data in real time from Stock market data providers like Alpha Vantage, Yahoo Finance and Finnhub increasing **data-driven decision making**
  - Implemented redis caching to reduce database workloads and perform fast data retrieval. Deploy the application using Docker.
  - Ingested the data into **LSTM model** for further **stock price prediction**

Ride renting App (React.js, Node.js, Express.js, MongoDB)
  - An Uber-like ride sharing app built to simulate **rider and driver matching algorithm**, implementing **microservices backend** to handle large amounts of requests at scale.
  - Utilized **Google Maps API** to bring up location suggestions as the user types through their location. Calculated location distance and fare prices in real time by developing controllers and services using Node.js and Express.js
  - Performed **unit and integration testing** using Jest, Mocha and Postman to check if the feature is working as expected.

Certificates

AWS Certified Machine Learning Associate (MLA-C01)

Education

California State University Long Beach   Long Beach, CA
Master of Science - Computer Science   Aug 2023 - May 2025
Gujarat Technological University   Ahmedabad, IN
Bachelor of Engineering - Computer Engineering   Aug 2018 - June 2022
Relevant Coursework: Data structures, Advanced analysis of algorithms, Advanced software engineering, Advanced artificial intelligence