

# Rohan Matre

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## Skills

**Languages:** C/C++, HTML/CSS, JavaScript, Python, SQL, TypeScript

**Technologies & Tools:** AWS, EC2, DynamoDB, S3, SQS, Lambda, Kubernetes, Docker, React.js, Redux, Next.js, Node.js, Git, MySQL, MongoDB

## Work Experience

**Upteky Solutions Pvt Ltd, Ahmedabad**

August 2025 – October 2025

### Backend Developer Intern

- Led the development of a company-wide **CRM System** (crm.upteky.com) for **15+ employees and clients**, built with **Node.js**, **Express.js**, and **Firestore**. Integrated authentication, attendance, payroll, lead tracking, and analytics under a unified dashboard with secure role-based access (Admin, Employee, Client). Deployed on **Hostinger VPS** using **Docker**, improving transparency and workflow automation by 65%.
- Contributed to the development of a **Voicebot** and **AI Sales Agent** by extending **N8N** workflow automations and integrating APIs such as **Hunter.io** and **ChatGPT**.
- Built and maintained company and client websites including **Upteky Website**, **BakeBot** in WordPress, and **Kyrios CMS** in Wix, implementing secure CMS-driven content workflows.

**Infochips (An Arrow Company), Ahmedabad**

January 2025 – June 2025

### Project Trainee

- Integrated 3 microfrontends using **React**, **Angular**, and **Vue.js** for an e-commerce app, making it more modular and reducing feature delivery time by 50%.
- Designed multilingual JSON schema for ZEISS Health Data Platform using **Python**, localizing content into 20+ languages (e.g., German, French), improving accessibility by 40%.
- Constructed and deployed a DevOps pipeline for a microservices-based OpenTelemetry Astronomy Shop using **Docker**, **Kubernetes**, **CI/CD**, **Terraform**, and **AWS**, reducing deployment time by 60% and enhancing observability.

**Silicon IT Hub Pvt Ltd, Ahmedabad**

May 2024 – July 2024

### ReactJS Intern

- Engineered a responsive portfolio website using **React.js**, achieving a 98% Lighthouse performance score and sub-2s page load.
- Integrated **Prismic CMS** and executed advanced UI styling using **CSS Modules** and **Tailwind CSS**, reducing content update time by 70% and improving user engagement by 45%.
- Crafted unit tests for core components using **Jest**, enhancing code stability and maintainability.

## Project Work

**Federated Learning for Intelligent Transportation Systems – (Major Project)**

January 2025 – May 2025

- Devised a federated object detection system using **YOLOv8s**, **KITTI dataset**, and **Flower**, preserving data privacy in training.
- Simulated traffic with virtual edge devices and applied **FedAvg** across 10+ nodes using **Python**, improving accuracy by 15%.

**Stream Hub – Real-Time Live Streaming Platform**

May 2024 – June 2024

- Architected a scalable live streaming platform using **React.js**, **Livekit**, and **Clerk** with support for authentication, chat, and RTMP/WHIP protocols.
- Achieved uptime for concurrent users and enforced thumbnail management and viewer analytics using **Tailwind CSS**, **OBS Studio**, and **RTMP**.

**AI-Powered Summarizer and Paraphraser**

December 2023 – January 2024

- Created an academic content summarization/paraphrasing tool using **T5**, **Flask** for API backend, and **React.js** for frontend.
- Leveraged **web scraping** and **Langchain** to automate research input, reducing manual reading effort by 80%.

## Education

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**Pandit Deendayal Energy University, Gandhinagar**  
B.Tech in Computer Science and Engineering

August 2021 – May 2025  
**CGPA: 8.70/10**

**Shiv Ashish School**  
12th Grade - Science PCM

June 2020 – May 2021  
**Percentage: 88.15%**

**Shree Sahajanand Secondary School**  
10th Grade

June 2018 – May 2019  
**Percentage: 83.83%**

## Certificates

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- **AWS Certified Cloud Practitioner (CLF-C02):** Udemy, Instructor: Stephane Maarek — *May 2025*
- **React - The Complete Guide (incl. Next.js, Redux):** Udemy, Instructor: Maximilian Schwarzmüller — *March 2025*
- **The Git & GitHub Bootcamp:** Udemy, Instructor: Colt Steele — *May 2025*