SANKET PATEL

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EDUCATION

BIRLA INSTITUTE OF TECHNOLOGY RANCHI
Bachelors of Technology (Mechanical Engineering) 2020-2024
Cumulative GPA: 8.2/10;

SHARPNER TECH Remote
MERN Stack Web Development SEPT 2024 - SEPT 2025

WORK EXPERIENCE

AXIS BANK Mumbai
Data Science Intern May 2023 – July 2023

- Developed and deployed a customer churn prediction model for credit card services, achieving high predictive performance through effective data analysis and modeling.

The Algorithm Remote
Software Developer Sept 2025-present

- Built a full-stack AI interview platform using React, Node.js, Express, and FastAPI with WebSockets for real-time tracking, JWT-based authentication, role-based access control, and AWS SES email notifications.
- Developed an NLP-based automated interview scoring system using PyTorch and Sentence Transformers, applying semantic similarity, spaCy, and fuzzy matching techniques to evaluate candidate responses and reduce manual recruiter review time.

PROJECTS

SALON MANAGEMENT WEB APP

- Designed and developed a full-stack salon appointment platform with secure JWT-based authentication, service and staff management, real-time booking, and payment integration (CashFree). Features include automated email/SMS reminders (via cron and brevo), rescheduling, customer reviews, and an admin dashboard for user and appointment management.

Tech Stack**:** Node.js, Express.js, SQL, React.js, Socket.io, Cron, GitHub
https://github.com/sanketpatel32/fresha-salon-app

SCANFORGE - AI-Powered API Testing & Security Scanner

- Built a modern TypeScript monorepo security platform using Next.js, Express, and Bun, implementing AI-powered API testing, distributed scan orchestration with queue/runner telemetry, role-based authentication, and PostgreSQL relational data modeling with automated health checks and graceful shutdown for production resilience.

Tech Stack: Next.js, React, Express, TypeScript, Bun, PostgreSQL, Drizzle ORM, Better Auth, Redis, MongoDB.
https://github.com/sanketpatel32/ScanForge

ADDITIONAL

Languages & Frameworks: Python, JavaScript, C++, React.js, Next.js, Node.js, Express.js, FastAPI, HTML, CSS
AI/ML & Databases: PyTorch, Machine Learning, NLP, LangChain, LangGraph, RAG, Agentic AI, Sentence Transformers, spaCy, NLTK, MongoDB, PostgreSQL, SQL, Vector Databases
Cloud & Tools: AWS SES, AWS EC2, Azure, Git, GitHub, Docker, Socket.io, JWT, System Design, REST APIs, LLM Integration