SANKET PATEL

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EDUCATION

BIRLA INSTITUTE OF TECHNOLOGY, ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀RANCHI
Bachelors of Technology ⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀⠀2020-2024
Mechanical Engineering
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

GROUP CHAT WEB APP
- Built a real-time web-based chat application using HTML, CSS, JavaScript, and Socket.io, implementing secure user authentication, scalable one-to-one and group messaging, SQL-based relational data modeling, and cron jobs for automated message cleanup to optimize database performance.

Tech Stack: HTML, CSS, JavaScript, Node.js, Express.js, Socket.io, SQL, Cron, Git, GitHub
https://github.com/sanketpatel32/Group-Chat-App

ADDITIONAL

Programming Skills: Python, C++, Java, JavaScript, HTML, CSS, React, Node.js, Express.js, FastAPI,Vite
Technical Skills: Machine Learning, NLP (Transformers, NLTK), Full-Stack Web Development, Data Analytics, Statistics, Database Management, Cloud Computing (AWS, Azure), MongoDB, SQL.
Languages: Fluent in Hindi and English