Siddhesh Lakhani

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EDUCATION

Mukesh Patel School of Technology Management and Engineering   2022 – 2026

Bachelor of Technology in Computer Engineering   *Mumbai, India*

TECHNICAL SKILLS

Frontend: Next.js, React, JavaScript, TypeScript, Astro, Tailwind CSS, HTML5, CSS3
Backend: PostgreSQL, Python, C++, Rust
DevOps: Docker, Nginx, Linux, Bash, Zsh, PM2, Git
Tools: GitHub, Vercel, Postman
Miscellaneous: Canva, Figma

PROJECTS

FER-ML | *Python, TensorFlow/Keras, OpenCV, CNN*   gh/sid-lakhani/fer-ml
  – Trained a Convolutional Neural Network (CNN) on FER-2013 for emotion classification.
  – Integrated OpenCV for real-time face detection and emotion recognition.
  – Automated image storage into labeled directories based on detected emotions.

Bot Detection ML | *Python, Scikit-Learn, Logistic Regression, Web Security*   gh/sid-lakhani/bot-detection-ml
  – Developed a logistic regression model to classify visitors as bots or humans.
  – Enhanced site security by identifying and blocking automated attacks.
  – Optimized accuracy through data preprocessing and feature engineering.

VaultX | *Next.js, FastAPI, PostgreSQL, Cryptography*   gh/sid-lakhani/vaultx
  – Built a full-stack secure storage platform demonstrating end-to-end encrypted data storage, searchable encrypted content, and tamper-proof audit logs.
  – Implemented application-level encryption and verification without relying on third-party key managers or external encryption services.
  – Designed a scalable architecture with a FastAPI backend and Next.js frontend, focusing on security, data integrity, and controlled access.

Urja N Sonpal | *Next.js, Node.js, PocketBase, PostgreSQL, Nginx*   urjansonpal.com
  – Designed and developed a high-performance couture website with a custom backend and prioritizing SEO.
  – Implemented a secure content and data management system using PocketBase and PostgreSQL, enabling dynamic collections, media handling, and editorial control.
  – Deployed and optimized the production stack on Nginx, ensuring low-latency delivery, high availability, and scalable traffic handling.

EXPERIENCE

Label Jui Lakhani   https://labeljuilakhani.in   Jan 2025 – Apr 2025

Full Stack Developer Intern   *Mumbai, India — Remote*
  – Built and deployed a modern e-commerce platform showcasing collections and products.
  – Managed CMS using Strapi with PostgreSQL for flexible content handling.
  – Self-hosted backend with Nginx and PM2 for full server control and uptime stability.
  – Integrated back-end services including blog, lookbook, and dynamic filtering/sorting.
  – **Tech Stack:** Next.js, TypeScript, Tailwind CSS, Strapi, PostgreSQL, Nginx.

ACHIEVEMENTS

Microsoft Certified: Azure Fundamentals (AZ-900) — earned via Microsoft Learn. Credly.