SIDDHANT DEMBI

👤 dembi.xyz ✉ siddhantdembi@gmail.com 💼 /siddhantdembi 🔗 /siddhantdembi 📞 [+91 8850003687](+91 8850003687) 🏠 Mumbai

Education

Bachelor of Engineering in Information Technology (University of Mumbai) *2025*
Thadomal Shahani Engineering College *8.02 CGPA*

Professional Experience

Ford Motors *June 2024 – July 2024*
Frontend Developer Intern *Chennai (2 Months Onsite)*
- Developed a 3D car configurator with **Three.js** and **Next.js**, supporting **450,000** unique configurations
- Optimized state management with **Custom Hooks** and **Context API**; boosted speed by **30%** and cut bugs by **20%.**
- Designed responsive and aesthetically pleasing UI with **Tailwind CSS**, and manipulated 3D models using **Blender**.
- Containerized the project with **Docker**, ensuring consistent functionality and reducing deployment issues by **40%.**

Entelligentsia *December 2023 – December 2023*
Backend Developer Intern *Pune (1 Month Remote)*
- Built **Serverless** APIs with **AWS Lambda** in **Python**, integrated with **DynamoDB**, deploying **5** APIs using **2** tables.
- Set up **JWT** authentication, used **Regex** for validation across **5** endpoints, and employed **YAML** with Serverless.
- Created **RESTful APIs** and achieved **90%** test coverage with **Unit Testing**.

Decimal Point Analytics *May 2023 – July 2023*
Research Analyst Intern *Mumbai (2 Months Remote)*
- Used **Streamlit** for web apps to automate Data Cleaning, cutting prep time by **30%** and boosting efficiency.
- Completed a Coursera course on **PySpark**, used it with **Databricks** to clean CSV data, reducing prep time by **30%.**
- Explored **Milvus Vector Database**, implemented code samples, and presented the knowledge to **10** team members.

Technical Skills

- **Programming Languages:** Python, Javascript, Typescript, Java, C, C++.
- **Web Development:** React.js, Next.js, Three.js, Flask, HTML5, CSS3, TailwindCSS, Bootstrap, Vercel, Render.
- **Developer Tools:** Git, Github, Postman, AWS (EC2, S3, Lambda), Linux Bash, Docker.
- **Analytics:** Pandas, PySpark, Matplotlib, Numpy, Excel, PowerBI, Tableau.
- **Frameworks/Libraries:** Serverless, Streamlit, Unittest, Regex.
- **Databases:** MySQL, SQLite, MongoDB, DynamoDB, Milvus (Vector Database).
- **Networking and Homelab:** Port Forwarding, DHCP reservation, custom DNS configuration, nmap, SSH, Raspberrypi, Pihole, CasaOS, Portainer, Jellyfin, Nextcloud, Samba NAS, Netdata.
- **Design:** Adobe Photoshop, Adobe Illustrator, Adobe AfterEffects, Adobe Premiere Pro, Blender, Canva.

Projects [(Other Projects)](Other Projects)

3D Car Configurator | *Next.js, Three.js TailwindCSS, Blender, Docker* *June 2024*
- This project is a **Next.js** and **Three.js** based car customization application that allows users to customize various aspects of a car, such as body color, seat color, interior color, glass type, steering wheel color, tire color, backlight color, and tailwing color. The 3D model renders all the changes live.
- Live Deployment   Source Code

Data Cleaner and Timestamp Analysis | *Python (Streamlit)* *February 2024*
- The project offers a user-friendly interface for cleaning and processing tabular data files (CSV, XLS, XLSX), allowing users to perform various operations on their data such as: **Replace Null Values, Remove Duplicate Rows, Remove Missing Values, Convert to Lowercase, Delete Columns, Sort Column, and Capitalize Columns.**
- The Timestamp Management application allows users to interact with a **MySQL** database to manage timestamp entries securely. Users can Save Date and Time, Delete the Latest Entry, and View Previous Entries.
- Live Deployment   Source Code

Extracurricular

TSEC Hackathon *October 2023*
24 Hour Hackathon *Thadomal Shahani Engineering College*
SFIT Hackathon *March 2023*
24 Hour Hackathon *St. Francis Institute of Technology*
IETE-TSEC *July 2022 – May 2023*
Junior Committee Member *Design Team*
Interests and Hobbies: Fitness, Photography, Travelling, Music