SIDDHANT DEMBI

👤 dembi.xyz ✉ siddhantdembi@gmail.com 💼 /siddhantdembi ⭘ /siddhantdembi 📞 [+91 8850003687](tel:+918850003687) ⌂ 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 (Onsite)*
- Developed an interactive car configurator application using **Three.js** and **Next.js**, enhancing user interactivity.
- Engineered efficient state management and seamless component interaction with **Custom Hooks** and **Context API**; accelerated development speed by 30% and reduced bug incidence by 20%
- Designed responsive and aesthetically pleasing UI with **Tailwind CSS**, and manipulated 3D models using **Blender**.
- Used **Docker** to containerize the entire project, ensuring consistent functionality across all machines.

Entelligentsia **December 2023 – December 2023**
Backend Developer Intern *Pune (Remote)*
- Developed **Serverless** APIs using **AWS Lambda** functions in Python, integrating with **DynamoDB** through a serverless architecture, deploying **5 APIs using 2 DynamoDB tables**.
- Built secure authentication with **JWT Tokens**, integrated **Regex** for validation, and utilized **YAML** with the Serverless Framework for scalable architecture.
- Created **RESTful APIs** and achieved **90%** test coverage with **Unit Testing**.

Decimal Point Analytics **May 2023 – July 2023**
Research Analyst Intern *Mumbai (Remote)*
- Implemented **Streamlit** for interactive web applications, automating **Data Cleaning** tasks to achieve a **30%** reduction in data preparation time, enhancing overall data processing efficiency.
- I completed a Coursera course on **PySpark** for **Big Data** processing and proficiently used **PySpark** and **Databricks** for CSV data manipulation and cleaning.
- Explored **Milvus Vector Database**, by studying its documentation and running basic code samples.

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

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).
Design: Adobe Photoshop, Adobe Illustrator, Adobe AfterEffects, Adobe Premiere Pro, Blender, Canva.

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