

# SIDDHANT DEMBI

 [dembixyz](https://dembixyz.com)  [siddhantdemb@gmail.com](mailto:siddhantdemb@gmail.com)  [/siddhantdemb](https://github.com/siddhantdemb)  [/siddhantdemb](https://www.linkedin.com/in/siddhantdemb)  +91 8850003687  [Mumbai](#)

## Education

**Bachelor of Engineering in Information Technology (University of Mumbai)**

2025

Thadomal Shahani Engineering College

8.00 CGPA

## Professional Experience

**Ford Motors**

June 2024 to July 2024

Frontend Developer Intern

Chennai (2 Months Onsite)

- Engineered 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 to 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 utilized **YAML** with **Serverless**.
- Created **RESTful APIs** and achieved **90%** test coverage with **Unit Testing**.

**Decimal Point Analytics**

May 2023 to July 2023

Research Analyst Intern

Mumbai (2 Months Remote)

- Utilized **Streamlit** for web applications to automate Data Cleaning, reducing preparation time by **30%**.
- 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.
- Web Development:** React.js, Next.js, Three.js, Flask, Vercel, Render.
- Developer Tools:** Git, Github, Postman, AWS (EC2, S3, Lambda), Linux Bash, Docker.
- Analytics:** Pandas, PySpark, Matplotlib, Numpy, Excel, PowerBI.
- Frameworks/Libraries:** Serverless, Streamlit, Unittest, Regex.
- Databases:** MySQL, SQLite, MongoDB, DynamoDB.
- Networking:** Cloudflare Tunnels, Reverse Proxy, DHCP, Custom DNS, Nmap, SSH, Crontab, NAS.
- Design:** Adobe Photoshop, Adobe Illustrator, Adobe AfterEffects, Adobe Premiere Pro, Blender, Canva.

## Projects (Other Projects)

**Raspberrypi Homelab** | *Networking, Linux Server*

July 2024

- Set up a homelab server using a Raspberry Pi 5 and an external HDD for NAS, with services including **CasaOS**, **Pi-hole**, **Jellyfin**, **Portainer**, **Nginx Proxy Manager**, **Adminer** (Database Manager), **Cloudflare Tunnels**, **Vaultwarden**, **Nextcloud**, and various self-hosted web projects.

**3D Car Configurator** | *Next.js, Three.js TailwindCSS, Blender, Docker*

June 2024

- Developed a car customization app with **Next.js** and **Three.js**, allowing users to adjust body color, seats, interior, glass type, steering wheel, tires, backlights, and tailwing. The 3D model renders changes live.
- [Live Deployment](#) [Source Code](#)

**Data Cleaner and Timestamp Analysis** | *Python (Streamlit)*

February 2024

- Created a tool with a user-friendly interface for cleaning and processing tabular data (CSV, XLS, XLSX). It allows users to **replace null values**, **remove duplicates**, **handle missing values**, **convert to lowercase**, **delete columns**, **sort columns**, and **capitalize columns**.
- Developed a Timestamp Management app enabling users to securely manage timestamp entries in a **MySQL** database. Features include saving date and time, deleting the latest entry, and viewing previous entries.
- [Live Deployment](#) [Source Code](#)

**Career Recommendation System** | *React, Flask, Machine Learning*

October 2023

- Developed a career recommendation system that generates a list of tech career suggestions based on user test results. Utilized an open-source **Random Forest** machine learning model for recommendations.
- [Live Deployment](#) [Source Code](#)

## Extracurricular

**Hackathon**

2023

Took part in two 24 Hour hackathons in the year 2023.

TSEC and SFIT

**IETE-TSEC**

July 2022 to May 2023

Junior Committee Member

Design Team

**Interests and Hobbies:** Fitness, Photography, Travelling, Music