

SIDDHANT DEMBI

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Education

Bachelor of Engineering in Information Technology (University of Mumbai)

2025

Thadomal Shahani Engineering College

8.00 CGPA

Professional Experience

Ford Motors (Certificate of Completion)

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 (Certificate of Completion)

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**.

Decimal Point Analytics (Certificate of Completion)

May 2023 to July 2023

Data 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.
- Developer Tools:** Git, Github, AWS (EC2, S3, Lambda), Docker, Linux Bash.
- Libraries:** Pandas, Matplotlib, Streamlit.
- Databases:** MySQL, SQLite, MongoDB, DynamoDB.
- Computer Networks:** Cloudflare Tunnels, Reverse Proxy, DHCP, Custom DNS, Nmap, SSH, Crontab, NAS.

Projects (Other Projects)

Raspberrypi Homelab | Computer Networks, 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](#)

Extracurricular

Hackathon

2023

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

TSEC and SFIT

IETE-TSEC (Certificate of Completion)

July 2022 to May 2023

Junior Committee Member

Design Team

Interests and Hobbies: Fitness, Photography, Travelling, Music