

SOHAM WALAM

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EDUCATION:

Dwarkadas J. Sanghvi College of Engineering
B. Tech in Computer Science and Engineering (Specialization in Data Science)

August 2023 – June 2027

WORK EXPERIENCE:

Data Analyst

February 2025 – April 2025

Prasunet Foundation

- Developed an Overall Dashboard to generate the data.
- Visualized the data of customers and made suggestive measures in terms of content to watch more.
- Deployed it on StreamLit.

PROJECTS:

COVID-19 Prediction

- Built a ML model to **forecast COVID-19 infection rates** across 201 countries, achieving a **prediction accuracy of 92%**.
- Visualized **real-time infection trends** globally using **an interactive World map**, enhancing data accessibility.
- Integrated Flask with Dash to deploy an interactive dashboard with hover-enabled country-wise COVID impact visualization.

Band Gap Prediction & Analysis

- Developed a Machine Learning Model having **20k+ rows** to **classify** and **regress** the target variable.
- Implemented Simple Linear Regression (**Accuracy 79%**) and Classification model (**Accuracy of 90%**).
- Enhanced Model accuracy improvements from **90% to 94.2%** using **Deep Learning with TensorFlow**, demonstrating improved predictive performance.
- Leveraging interactive **Visualization Models** and Animation like **Barplot.h, Heatmap, 3-D Axes** to show real-time models etc.

JusticePal

- Developed a **Chatbot for helping legal-driven work**.
- Implemented LLM methods like **Deep Translator, Transformers** and having a one-to-one conversation live.
- Trained the model using the **BlenderBot** a model by **Meta** having **400M networks** to train upon.
- Deployed using **Gradio** and using driven functionalities.

Portfolio

- Developed a personal Portfolio using Web Stack showcasing achievements, certifications.
- Built a responsive portfolio using **React, TypeScript**, and **Tailwind CSS**.
- Added interactive features with **Shad CN/UI** and **Framer Motion**.
- Deployed live using **Vercel** for fast and seamless access.

ACHIEVEMENTS AND CERTIFICATIONS:

3x Hackathon Finalist, including: **Excavate Composit (IIT Kharagpur)**, **Xtract 3.0 (D.J. Sanghvi College of Engineering)**, **ByteVerse 7.0 (NIT Patna)**.

2x Ideathon Finalist, including: **Tryst'25 (IIT Delhi)**, **FOSS'25 (NMIMS, Mumbai)**.

Virtual Internships, including: **Deloitte (Data Analyst)**, **BCGX (Data Scientist)**, **AWS (Solution Architect)**.

Bootcamps including: **Tensor-Flow Keras (OpenCV)**, **ML Bootcamp (S4DS DJ Sanghvi)**, **PyTorch (OpenCV)**.

SKILLS:

- **Languages:** Python, Java, C, HTML, CSS, JS, React.js, Node.js, Vue.js, BootStrap, TypeScript.
- **Frameworks:** TensorFlow Mob-Lite, Scikit-Learn, Flask, SQLAlchemy, SQLite, Express.js.
- **Dev Tools:** Git, GitHub, VS Code, Jupyter Notebook, Google Colab, Postman, Docker.
- **Libraries:** NumPy, Pandas, Matplotlib, TensorFlow, Keras, Scikit-Learn, Computer Vision, Plotly, SciPy.