

Sunny Mendapara

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Profile

Technically proficient and growth-driven data science and machine learning practitioner with hands-on experience in model development, data preprocessing, and optimization. Skilled in Python, Scikit-learn, and deep learning frameworks, with additional strengths in Generative AI and Natural Language Processing. Passionate about building AI-driven solutions to solve complex real-world problems across diverse industries, while thriving in collaborative, fast-paced environments.

Technical Skills

Languages: Python, HTML, CSS

Frameworks & Libraries: Flask, Streamlit, Bootstrap, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Plotly, TensorFlow, Keras, NLTK, LangChain, Hugging Face, LangGraph

Databases & Cloud: MySQL, MongoDB, Pinecone, AWS EC2, AWS S3

MLOps & DevOps: MLflow, DVC, DagsHub, GitHub Actions, Docker

Tools: VS Code, Jupyter Notebook, GitHub, n8n

Experience

PYTHON DEVELOPER INTERN | HYPHEN TECH | JUL 2024 – FEB 2025

- Engineered machine learning and deep learning solutions tailored for real-time AI applications.
- Streamlined deployment workflows using GitHub Actions, Docker, and AWS EC2 for reliable production environments.

SOFTWARE DEVELOPER INTERN (WORDPRESS DEVELOPER) | INFOPIXAL | APR 2024 – JUN 2024

- Built and maintained custom WordPress websites with tailored themes and plugin functionality.
- Collaborated with cross-functional teams to ensure responsive, high-performance web interfaces.

CAMPUS AMBASSADOR INTERN | ENGINEER HUB | FEB 2022 – AUG 2022

- Represented the organization on campus, enhancing brand presence through interactive events.
- Executed student engagement campaigns, boosting outreach and awareness.

Projects

ClaimPredict – Vehicle Insurance Claim Prediction System

- Created a **machine learning** pipeline to automate claim prediction workflows using scalable **MLOps** tools.
- Orchestrated end-to-end automation for **data ingestion, validation, training, and deployment**.
- Utilized **MongoDB Atlas, AWS (S3/EC2), Docker, and GitHub Actions** for robust **CI/CD** infrastructure.
- View project on GitHub: <https://github.com/sunnymendapara7/MLOps-Vehicle-Insurance-Prediction.git>

ChestGuard – End-to-End Chest Cancer Classification System

- Designed a **deep learning** architecture for classifying chest cancer from medical X-ray images.
- Employed **MLflow** for experiment tracking and **DVC** for efficient data and model version control.
- Deployed models in a cloud-native environment using **Docker, GitHub Actions, and AWS EC2/ECR**.
- View project on GitHub: <https://github.com/sunnymendapara7/End-to-End-ChestCancer-Classification-using-MLflow-DVC.git>

DocLine – AI-Powered Medical Q&A Chatbot

- Built a **retrieval-augmented AI chatbot** leveraging **LangChain, Groq API, and Pinecone** for intelligent responses.
- Developed backend with Python and **Flask**, deploying seamlessly via **Docker** and **AWS** infrastructure.
- Ensured modular, secure design with scalable **CI/CD** integration using **GitHub Actions**.
- View project on GitHub: <https://github.com/sunnymendapara7/DocLine.git>

Extra-Curricular Activity

Secretary, Rotaract Club of NLJIET (2022 – 2023)

- Successfully coordinated the college cultural fest, promotion, and student participation.
- Led the organization of a high-impact Pre-Navratri event, enhancing student engagement and campus spirit.

Education

B.E IN INFORMATION TECHNOLOGY – 8.95 CGPA

NEW LJ INSTITUTE OF ENGINEERING AND TECHNOLOGY, AHMEDABAD, GUJARAT
(2020 – 2024)

12TH HSC – 62%

NIRMAL VIDHYALAYA, MORBI, GUJARAT (2019 – 2020)

10TH SSC – 78%

NIRMAL VIDHYALAYA, MORBI, GUJARAT (2017 – 2018)