

NEEL SHETH

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EXPERIENCE

Data Analyst Intern

Hyperlab | [Project Repository](#)

May 2024 – Present
Gandhinagar, Gujarat

- Leveraged Python algorithms to analyze IMU sensor data, enhancing athletic performance tracking by **75%**.
- Designed data visualizations using BI tools, driving data-informed decision-making processes.
- Developed a Streamlit dashboard that boosted stakeholder engagement by **90%** through interactive data presentation.

Nirma Funded - Multibot Coordinate System Project

March 2023 – August 2023

- Engineered a Computer Vision program for real-time car detection, integrating data transmission to an ESP32 microcontroller via MQTT protocol.

PROJECTS

Hotel Booking Analysis | [GitHub](#)

July 2024

- Conducted comprehensive EDA on a massive dataset of **119,390 hotel bookings**, uncovering key cancellation patterns.
- Executed multi-faceted analysis to pinpoint critical factors influencing cancellation rates across this extensive dataset.
- Unearthed a **20%** rise in cancellation probability for extended lead times and brief stays.
- Proposed strategic promotions based on big data insights, projecting a **15%** reduction in cancellations and **10%** increase in direct bookings.
- Applied Python, Matplotlib, and Seaborn for efficient processing and visualization of hospitality data.

Amazon Review Sentiment Analyzer | [Website](#)

June 2024

- Engineered an NLP-based sentiment analysis tool, achieving **91%** accuracy using Random Forest algorithms.
- Implemented BeautifulSoup for web scraping, expanding analyzable review volume by **200%**.

Personal Voice Assistant | [GitHub](#)

May 2024

- Developed a voice-activated assistant for task automation, including app management and web searches.
- Integrated cutting-edge Gemini API and Hugging Face models for enhanced NLP capabilities.

Student Placement Record System | [GitHub](#)

May 2024

- Created a web platform for placement data management, reducing administrative workload by **50%**.
- Implemented MongoDB for CRUD operations and designed dynamic dashboards using Plotly and Streamlit.

Stock Market Dashboard | [Website](#)

April 2024

- Crafted a real-time stock analysis dashboard, enhancing financial decision-making efficiency by **40%**.
- Used Python tools (Pandas, Plotly, Streamlit) for interactive visualizations and predictive analytics.

TECHNICAL SKILLS

Programming: Python (OpenCV, Scikit-Learn, Pandas, NumPy, Streamlit, FastAPI), SQL, Shell Scripting, Git, Web Scraping

Data Visualization: MS Excel, Plotly, Matplotlib, Seaborn, PowerBI, Tableau

Machine Learning: Linear/Logistic Regression, Decision Trees, K-Means Clustering, KNN, Random Forest

Databases: MySQL, MongoDB, Firebase

Tools: VSCode, Linux, GitHub, Jupyter Lab, Google Colab

ACHIEVEMENTS

Semifinalist in the Indian Automation Challenge | [Certificate](#)

August 2023

2nd Runner-up in DAS INFOMEDIA Track at CSI Hackathon | [Certificate](#)

April 2024

RESPONSIBILITIES

Student Placement Coordinator

February 2024 – Present

Nirma University

- Assisted students with internship and placement inquiries, acting as a liaison with the Industry Institute Interaction (III) Cell.
- Optimized event coordination by strategically balancing academic commitments while cultivating a high-performance environment that synchronized student aspirations with industry standards and university guidelines.

EDUCATION

Nirma University

B.Tech in Electronics and Communication Engineering, CGPA: 7.97

Ahmedabad, India
Sept. 2021 – June 2025