Nitin Madas

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EDUCATION

NSoMASA-NMIMS University, — Mumbai
Master of Science, Statistics and Data Science (CGPA: 3.42/4) — July. 2023 – Present
D.G. Ruparel College-Mumbai University — Mumbai
Bachelor of Science, Statistics (CGPA: 9.21/10) — Aug. 2020 – May 2023

EXPERIENCE

Business Analytics Intern — Jan 2025 – Present
Colgate Global Business Services Pvt. Ltd. — Mumbai
- **Cleaned, transformed, and visualized** sales data for the LATAM division, improving accuracy and insights for decision-making.
- Built a **sensory modeling regression model** to predict toothpaste **liking scores** from sensory attributes.
- Integrated **model insights into Google Sheets** for easy reference by Research Scientists.

Data Science & AI Intern — May 2024 – Aug 2024
AlgoAnalytics Pvt. Ltd. — Pune
- Developed a **Taste-based Recipe Generation Chatbot** using **SLMs & LLMs** with **LangChain, Streamlit & Hugging Face.**
- Collected and pre-processed **4+ large-scale recipe and flavor datasets (2.5M+ rows)**
- Applied **Retrieval-Augmented Generation (RAG)** with **OpenAI embeddings and FAISS Vector Database** to enhance recommendation accuracy.
- Evaluated performance using **RAGAS**, benchmarking **6+ Language Models**

Web Developer Intern — Feb. 2022 – May 2022
Prishni Innovations Pvt. Ltd. — Bengaluru
- Developed and optimized web application using **Django, SQL, and Python.**
- Automated **data collection and management** via API integrations,
- Automated processes for **certificate verification, video compression (Handbrake API), and user authentication,** enhancing system efficiency by 50 to 60%.

PROJECTS

Deepfake Detection using Deep Learning | *Pytorch, CNN, LSTM*
- Built a CNN-LSTM model that achieved **88% accuracy** in classifying deepfake and real videos.
- Combined and balanced datasets (Face Forensics++ and Celeb-DF-V2), **consisting of 800 videos,**
- Applied advanced preprocessing, including **face cropping and normalization.**
- Achieved high precision (**92% for real videos, 84% for fake videos) and recall (93% for fake videos)).**

Resume analyzer for Job recommendation using NLP | *Python, BERT, Prompt Eng., Streamlit*
- Developed an **automated job recommendation system** for Data Science roles by matching job descriptions with candidate resumes.
- **Scraped job listings** and created **similarity-based matching** to recommend relevant job/internship links
- Integrated an **LLM using the Gemini API** with **prompt engineering** to score resume.

SKILLS & INTERESTS

Languages: Python, SQL, R, SAS, C++, JavaScript, HTML/CSS
Frameworks: Pytorch, LangChain, Streamlit, Django, Flask, Hugging Face
Tools: Power BI, Git, Github, ChatGPT, VS Code, Jupyter Notebook
Libraries: Pandas, NumPy, Matplotlib, Scikit-learn, Beautiful Soup, NLTK, transformers
Interests: Deep Learning, NLP, LLMs, Chess, Philosophy, Spirituality

ACHIEVEMENTS

- 2nd RunnerUp in DecodeX 2025 a 24-hour Pan-India hackathon.
- 1st RunnerUp in PPT competition for the topic: "How Statistics Revolutionized Sports Industry".
- Founder Member of Discussion Club for NSoMASA, NMIMS.
- Represented Ruparel College at Collegiate level Chess Tournament