Diya Karia

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Education

- **Mukesh Patel School of Technology Management and Engineering, NMIMS** — Mumbai, India
  Bachelor of Technology - Computer Science (Artificial Intelligence); GPA: 3.37 / 4.0 — *August 2020 - April 2024*
  Courses: *Deep Learning, Data Structures, Advanced Machine Learning, Natural Language Processing, Recommendation Systems, Computer Networking, Databases, SCADA, Creativity and Ethics in Marketing*

Skills Summary

- **Languages**: Python, JavaScript, SQL
- **Frameworks**: PyTorch, Seaborn, Tensorflow, Scikit-learn, OpenCV, NLTK, Flask
- **Softwares**: Power Bi, MySQL, LabVIEW, UiPath, Arduino, Figma, GitHub, Visual Studio Code
- **Soft Skills**: Communication, Creativity

Experience

- **Sun King Pvt. Ltd.** — Mumbai, India
  Sales Data Analyst (Full-time) — *June 2022 - July 2022*
  - Conducted comprehensive analysis of historical sales data using Python.
  - Utilized NumPy, Pandas, Matplotlib, and Geopandas libraries to visualize sales trends across different Indian states.
  - Generated actionable insights to inform strategic marketing plans and optimize sales efforts.
- **Android Worldwide** — Mumbai, India
  Community Manager (Part-time) — *February 2023 - May 2024*
  - Proficiently managed Android Worldwide's presence on Twitter, LinkedIn, and other platforms.
  - Expertly handle event registrations, coordinate large-scale events, and maintain website updates, resulting in increased user engagement and participation.

Key Projects

- **Seismic Activity Forecasting through Advanced Machine Learning Algorithms**:
  - Employed sophisticated machine learning models to predict seismic activity, enhancing early warning systems and mitigating disaster impact. **Technologies used: Python, Flask, Sci-kit learn, Visual Studio (for Webapp)**
- **Generative Artificial Intelligence-based Empathetic Conversational Agent**:
  - An advanced AI-driven system designed to generate human-like, contextually appropriate responses, exhibiting understanding and empathy in interactions. **Technologies used: Python, Jupyter Lab, Hugging Face, Jarvis Lab, WeightsandBiases, Llama-2, Langchain, Streamlit**
- **Advanced Restaurant Recommendation System**:
  - A sophisticated algorithmic solution leveraging collaborative filtering, content-based filtering, and deep learning to provide personalized dining recommendations based on user preferences and behavior. **Technologies used: PyTorch, Python, Sci-kit learn**
- **Wildlife Trajectory Analysis**:
  - Utilized sophisticated Kalman filtering and YOLOv5 deep learning models to perform real-time wildlife tracking, accurately determining their movement trajectories, speeds, and population counts within their natural habitats. **Technologies used: Python, NumPy, OpenCV, PyTorch and Kalman Filter.**
- **Advanced Environmental Monitoring System**:
  - Developed a multifaceted solution integrating temperature, light, and infrared sensors for precise control and rodent detection in Greenhouse environments using LabVIEW. **Technologies used: Arduino, LabVIEW, LINX, and bespoke sensor technologies.**

Leadership

- Google Developer Student Club, Secretary - 2022 - 2023
- International Society of Automation MPSTME, Secretary - 2022 - 2023
- 4C - The Marketing Cell of NMIMS, Logistics Dept. Co-Head - 2021 - 2022

Co-curricular Participation and Achievement

- Best Student Leader Female - ISA Maharashtra - 2023
- Foreign Language: Spanish A1 Level - 2023
- Coursera: Programming for Everybody by University of Michigan - 2022
- Udemy: Master AI 2022: Build 6 AI Projects - 2023