MANIL MODI

A Computer Engineering student with a strong foundation and interest in Machine Learning and Data Science, seeking opportunities to apply and grow technical skills through impactful collaborative work.

Professional Experience

Google Developers Group - On Campus
AI/ML Team Member

Oct 2024- Present
- Authored and published technical articles on Medium covering Machine Learning and Data Science concepts.
- Supported the organization of DUHACKS 4.0, a national hackathon with over 6,000 participants.
- Collaborated with student developers to brainstorm and implement ML-based projects and tools.

Educational Background

B.Tech in Computer Engineering

Dharmsinh Desai University, Nadiad
Aug 2023 - May 2027

CGPA (1st Year): 9.7/10

Technical Projects

Delhi Power Prediction and Analysis

- Achieved 95% accuracy in electricity load forecasting using XGBoost, addressing Delhi's Duck Curve problem.
- Applied K-Means Clustering to segment power zones and visualized results via Geo maps.
- Integrated a RAG system using Hugging Face Sentence Transformers and the LLaMA model for area-specific energy queries.

Loan-Repay Classification Model

- Developed a deep learning model using Artificial Neural Networks (ANN) to classify loan repayment potential with 90% accuracy.
- Trained on the Lending Club California dataset using Python and TensorFlow/Keras.

AI Career Advisor

- Created an intelligent career advising tool using NLP, LLMs, and image processing.
- Extracted skills from resumes using Sentence Transformers and calculated ATS scores with over 85% matching accuracy.
- Built an interactive quiz engine and personalized course/job recommender system with 1000+ courses.
- Verified certificate authenticity using OpenCV and enhanced networking via geo-mapped skill connections.
- Integrated a LLaMA-based RAG system to generate tailored job and skill insights.

Contact Information

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Medium : Manil Modi

Skills

EDA

Python including
- NumPy and Pandas
- Matplotlib and Seaborn
- Plotly and Cufflinks
- Geographical Plotting

MACHINE LEARNING

- Feature Engineering
- Supervised Learning
- Unsupervised Learning
- Association Rule Learning
(Mathematical understanding and insights)

DEEP LEARNING

- Fundamental algorithms and building blocks of DL
- Artificial Neural Networks
- Convolutional Neural Networks

WEB DEVELOPMENT

- HTML, CSS, Bootstrap
- Django Framework
- Spring Boot and Hibernate
- PHP

OTHER SKILLS

- C++
- Java
- SQL

SOFT SKILLS

- Communication
- Team Player
- Real-World Problem Solving
- Piano

Certifications & Courses

- IBM Data Science Fundamentals

- Data Science and Machine Learning with Python

- Machine Learning A-Z: AI Python & R + ChatGPT Prize

- Complete Python Bootcamp