

Komal Lamba

Data Scientist

- Experienced Data Science professional with over 2 years of expertise in crafting research-oriented projects and AI applications tailored for clients.
- Proficient in utilizing AI models and ensemble learning to forecast resource needs for future projects.
- Well-versed in Python programming language and adept at handling extensive language models within the field of Natural Language Processing (NLP).
- Skilled in all aspects of the data lifecycle, including collection, cleaning, preprocessing, and the identification of valuable data sources, patterns, and trends to create meaningful features.

Work History

**2021-08 -
Current**

Data Scientist

Cygnnet-Digital, Ahmedabad, Gujarat

Project 1: Order Forecasting

- Order Forecasting users data(client).
- Time based feature creation for model training
- Performed classification models for the correct categorization of Next Purchase Day Range.
- Pickle file creation for the efficient model storage.

Project 2: Text-to-code

- Executing models designed to generate code based on natural language instructions.
- Generating code in languages such as Python, C#, JavaScript, Ruby, etc., from textual input.
- Analyzing the structure of the provided or proposed data.
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Project 3: Feed Recommendation and Ranking

- Employing PostgreSQL DB for comprehending data.
- Conducting data cleansing and processing.

Contact

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Skills

Python
Statistic
Machine Learning
Deep Learning
NLP
GenAI
Audio Analysis
LLM
SQL
sklearn
TensorFlow
Keras
Numpy
Pandas
Matplotlib
Seaborn
Librosa
Streamlit
Flask API
Docker
NeptuneAI

- Identifying and creating features using the user's daily activity data.
- Utilizing a graph database to construct user-to-user suggestions based on individual connections.
- Discovering distinctive trends and patterns within the data.
- Developing an algorithm for feed recommendations and Feed Ranking.

Project 4: Intelligent Document Processing

- Performed NLP based Document classification.
- Entity extraction from documents/images using Tagging with Vott(manual tagging.)
- Extraction of key values pairs from the annotated documents/images.
- Prepared GUI using streamlit for demonstration.

Project 5: HSN codes prediction

- Performed NLP based techniques for text cleaning and preprocessing.
- Generate sentence embedding followed by sentence tokenisation.
- Using BERT models to generate contextual embedding.
- Created API for the same using FAST API.

Neo4j
Azure ML
PostGreSQL
Elastic Search
MixPanel
Jira
Confluence

Education

2019-06 - 2021-06	Masters of Technology: Data science(Gold Medalist) <i>Ganpat University</i>
2014-07 - 2018-06	Bachelor of Engineering: Computer Engineering <i>Silver Oak College of Engineering - Ahmedabad</i>
2012-04 - 2014-03	High School <i>Kendriya Vidyalaya No. 1 - Ahmedabad</i>

Accomplishments

- IBM Quantum Challenge Nov2021 - Advanced
- Pre-MBA StatisticsNov 2023 (Coursera -IIMA)

- Python for Data Science Jun 2021 (Cognitiveclass-IBM)
- Machine Learning with Python Jun 2021 (Cognitive class-IBM)
- Deep learning essential Jun 2021 (Cognitive class-IBM)
- Introduction to Generative AI Jul 2023 (Google Cloud)
- Generative AI Fundamentals Sep 2023 (Google Cloud)