



CAREER OBJECTIVE

BCA graduate with a strong foundation in programming and a deep passion for Data Science and Machine Learning. Proficient in Python, SQL, and key ML/DL frameworks including scikit-learn, PyTorch, TensorFlow, and Keras. Eager to apply analytical thinking and technical skills to real-world challenges as a Data Scientist or Machine Learning Engineer. Actively exploring cutting-edge AI tools like LangChain and LangGraph to build intelligent, scalable solutions. Seeking an opportunity to contribute to innovative projects while continuously growing in the field of AI.

EDUCATION

Manonmaniam Sundaranar University

Bachelor's Degree in Computer Application
2021 - 2024
CGPA 67.5%

HSC

St. Mary's Higher Secondary school
2019-2021
percentage 82%

SSLC

St. Mary's Higher Secondary school
2018-2019
percentage 75%

SKILLS

- **SQL**
- **Python**
- **Pandas**
- **numpy**
- **scikit-learn**
- **pytorch**
- **tensorflow**
- **keras**
- **Langchain**
- **LangGraph**

CERTIFICATIONS

- Python with Data Science-**QSPIDERS**

PROJECTS

Bike Sales Consulting Chatbot(Agentic AI)

- Developed a data-driven chatbot using LangGraph and agentic AI architecture to assist a local bike dealer in analyzing and visualizing sales trends.
- Integrated natural language queries with dynamic chart generation to deliver real-time insights into sales performance and customer preferences.
- Enabled non-technical users to interact with structured sales data via conversational UI, significantly improving decision-making.
- Delivered as a freelance solution, demonstrating client communication, requirement gathering, and deployment skills.

Mini GPT-like Language Model

- Built a GPT-style transformer-based language model from scratch using PyTorch to understand and generate human-like text.
- Implemented core components such as multi-head self-attention, positional encoding, and tokenization, following the transformer architecture.
- Trained the model on a custom text corpus to perform tasks like text generation and completion.
- Gained deep hands-on experience in natural language modeling, training loops, loss functions (e.g., cross-entropy), and optimizer tuning.

College Attendance management

- Streamlines attendance marking, updating, and reporting with real-time data updates and role-based access for staff and students.
- Utilizes MySQL for robust data storage, ensuring secure handling, regular backups, and easy recovery of attendance records.
- Offers an intuitive interface for managing attendance,generating custom reports, and analyzing trends, all accessible on various devices