ANANYA MANOJ

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Backend developer| Data Analyst | Machine learning | Artificial Intelligence

CAREER OBJECTIVE

Passionate backend developer with a strong foundation in Python, Java, SQL, and web frameworks such as Flask and Django. Adept at developing RESTful APIs and managing databases. Seeking to leverage my expertise in backend development, cloud services, and data science to contribute to innovative projects.

SKILLS

Programming Languages: Python, Java, SQL,HTML,CSS
Databases: MySQL, PostgreSQL
Data Visualization: Power BI, Excel
Web Frameworks: Flask, Django

APIs and Cloud Services: Restful API, AWS -EC2, S3, Load Balancer
Others : Statistical Analysis, Natural Language Processing, Git, Postman, Debugging

EDUCATION

Master of Computer Applications **2022-2024**
University of Madras
Bachelor of Computer Science **2019-2022**
Ethiraj College for Women
SSE **July 2019**
Kendriya Vidyalaya No 2
SSCE **July 2017**
Kendriya Vidyalaya No 2

WORK EXPERIENCE

Data Scientist Intern | Naso Technologies Pvt Ltd, Chennai, India **January 8,2024 – April 29,2024**

- Developed content-based event and book recommendation systems using TF-IDF, cosine similarity, KNN, and integrated with Flask RESTful API.
- Fine-tuned LLaMA-2-7b using Hugging Face transformers for text generation to create roadmap suggestions.
- Employed supervised fine-tuning with custom parameters including LoRA attention and Bits and Bytes quantization on LLaMA-2 model.

Backend Developer Intern | Naso Technologies Pvt Ltd, Chennai, India **June 9,2023- July 9,2023**

- Developed a recipe application using Flask with RESTful API functionality and integrated MySQL for data storage and management.

Intern | Divine Technologies, Chennai, India **July 2021**

- Acquired foundational knowledge and demonstrated proficiency in AWS services including EC2, S3, and Load Balancer

PROJECTS

STOCK PREDICTION

Developed code demonstrating stock prediction using news headlines, including data preprocessing and application of NLP Bag of Words model.

HANDWRITTEN DIGIT RECOGNITION

Developed a digit recognition system using Support Vector Machines (SVM) with both linear and RBF kernels. Achieved high classification accuracy by applying data standardization and evaluating model performance with visualizations.

BLOG GENERATION USING LLAMA2

Developed a Streamlit app to generate blogs using the LLaMA 2 model by integrating CTransformers for language processing, and created a custom prompt template to tailor blog content based on user inputs such as topic, word count, and style.

OPENCV HANDPICKING GAME

Developed a real-time hand-tracking game using OpenCV and MediaPipe, implementing finger landmark detection to interact with moving targets and dynamically update the score based on user interactions.

CERTIFICATION

- SQL and Relational Databases 101(IBM)
- Data Python and Flask Demonstration Practice Course Using -Udemy