SABARISVAR A

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SUMMARY

Enthusiastically exploring the frontier of large language models, aspiring to integrate their capabilities into the diverse realms of Generative AI, Deep Learning, Machine Learning, Natural Language Processing, Data Visualization, Computer Vision and Data Analysis, to forge a rewarding career in the Data Science domain.

EDUCATION

Integrated MSc Data Science, Amrita Vishwa Vidyapeetham, Coimbatore, India   *CGPA: 8.65/10*   2020 - Present
Completed coursework in: Regression Analysis, Deep Learning, Machine Learning, Statistics, Natural Language Processing, R-programming, Software Engineering, Oracle SQL, Big Data Analytics, Data Visualization (Tableau).
12th Standard (CSE), GRD Matriculation Higher Secondary School, Coimbatore, India   *Marks: 84.67%*   2019 - 2020

EXPERIENCE

Jr. Data Science Intern — Cogninest AI, Pune (Remote), India   07/2024 - Present
- *Tools: Vast AI, ComfyUI, Hugging Face, AutoTrain, Dreambooth, Kohya, OpenAI API, AWS, Claude API*
- Stable Diffusion Model Fine-Tuning for Thematic Generations using LoRA (Ongoing)
- Domain-Specific News Article Generation through Advanced Model Fine-Tuning (Ongoing)
- LogicSDK PyPI Package Development for Data Extraction (Ongoing)

Data Science Intern — Augusta Hitech, Coimbatore, India   06/2023 - 07/2023
- *Tools: FastAPI, Python, Deep Learning, NLP, Model: pegasus-samsum(Google)*
- Conversation Summarization using Deep Learning in NLP
- Developed a robust summarization model for accurately summarizing conversations using deep learning techniques

Data Science Intern — Entelegen (Formerly Embarckle), Coimbatore, India   01/2023 - 02/2023
- *Tools: Data Visualization, Python, Machine Learning*
- Communicated insights through visualizations and predictive models for trend forecasting, enabling informed decision-making with actionable insights and accurate forecasts, showcasing expertise in data analysis and predictive modeling.

PROJECTS

Gesture-Based Presentation — *Tools: CVZone, OpenCV, Mediapipe, Streamlit.*   View
- Developed a web application for gesture-controlled presentations with integrated Gemini chatbot for interactive Q&A.
- Enhance presentation control through hand gestures and integrate with a chatbot for interactive Q&A during presentations.
- Successfully developed a web application allowing users to navigate slides and interact with the Gemini chatbot, improving user experience and engagement during presentations.

Bike-Sharing Dashboard — *Tools: Python, Pandas, Tableau.*   View
- Created an interactive Tableau dashboard for analyzing London bike-sharing data and trends.
- Created an interactive dashboard for bike-sharing data analysis, revealing usage patterns and trends.
- Developed a comprehensive Tableau dashboard featuring visualizations such as total bike rides, moving averages, heat maps, and detailed tooltips. Demonstrated proficiency in data cleaning, manipulation, and visualization techniques.

Speech-Image QA System — *Tools: OpenAI Whisper, Hugging Face Llava(Multimodal), gTTs, Gradio.*   View
- Implemented a multimodal AI application for speech-to-speech question answering about images.
- Enable users to ask questions about an image using speech and receive real-time spoken responses.
- Created an application that seamlessly translates speech to text and provides spoken answers, advancing multimodal AI.

Fashion GAN — *Tools: Python, TensorFlow.*   View
- Developed a Generative Adversarial Network to create realistic fashion item images.
- Generate realistic fashion item images by training a GAN on the Fashion MNIST dataset.
- Successfully implemented a GAN capable of producing high-quality fashion-images, showcasing the power of generative models.

SKILLS

Language:	Python
Frameworks/Tools:	Langchain, Tensorflow, Keras, Sci-kit Learn, Ollama, LM-Studio, OpenCV-python, Streamlit, Numpy, Scipy, Pandas, Matplotlib, Seaborn, Plotly, Hadoop, Hive, Pig
Databases:	MySQL
Area of Expertise:	Generative AI, Deep Learning, Machine Learning, Natural Language Processing, Data Analytics, Computer Vision, Big Data Analytics

CERTIFICATIONS

- Neural Networks and Deep Learning   - Coursera
- Machine Learning A-Z, Python   - Udemy
- Python for Data Science and Machine Learning   - Udemy
- NLP with Sequence Models   - Coursera