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EDUCATION

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| •Vellore Institute of Technology, Vellore
<i>Computer Science Engineering Specialization in Data Science</i> | <i>BTech degree: 2024</i>
CGPA: 8.41 |
| •Alpine Public School, Bengaluru
<i>Central Board of Secondary Education</i> | <i>12th Standard: 2020</i>
Percentage: 94.8 |
| •BGS National Public School, Bengaluru
<i>Central Board of Secondary Education</i> | <i>10th Standard: 2018</i>
Percentage: 85.2 |

TECHNICAL SKILLS AND INTERESTS

Languages: Python, Java, R, SQL, JavaScript, C++, HTML, CSS
Frameworks: PyTorch, Langchain, Rdfliib, Holoviews, NLTK, OpenCV, Matplotlib, GridsearchCV, Numpy, Pandas
Tools: GitHub, MySQL, Microsoft Power BI, Adobe Photoshop, Adobe Premiere Pro
Electives: Machine Learning and AI, Natural Language Processing, Cloud Computing, Networking, Databases
Platforms: Windows, Linux, AWS, IBM Cloud
Soft Skills: Communication, Content Writing, Decision Making, Public Speaking, Time Management

TECHNICAL EXPERIENCE

- Ideas2IT - Summer Internship** (*click for certificate*) *08th May 2023 - 08th July 2023*
Data Science Intern, Chennai
- Designed and implemented the Personalized Campaign Email Generator to enhance automation of email content generation and CRM for a B2B custom software development company.
 - Employed the technique of Prompt Engineering to generate high-caliber, precise text content.
 - Selected and utilized Google App Script as the primary tool for application development, leveraging Javascript.
 - Developed a robust module for integrating the corporate email platform to ensure seamless communication.
 - Safeguarded data privacy by implementing pattern searching methodologies to alter internal data before feeding it to the GPT model through API calls.

PERSONAL PROJECTS

- Knowledge Graph for Research Navigation- NATURAL LANGUAGE PROCESSING - (June 2023 - July 2023)**
Knowledge graph for Research papers and a Recommendation system, allowing easier navigation of academic literature.
- Tech Stack: Python, Json, Rdfliib, Holoviews, Networkx, Transformers, Torch, Matplotlib, Nltk, re.
 - The project helps scholars by mapping the complex network of academic research, suggesting relevant works to explore with ROC AUC score of 0.86 and identifying influential papers in the field.
- Face Mask Detection - DEEP LEARNING AND COMPUTER VISION - (April 2023 - May 2023)**
Detection of face masks on individuals through a system empowered by PyTorch and a pre-trained ResNet50 model.
- Tech Stack: Python, PyTorch, torchvision, OpenCV, MTCNN, NumPy, Pillow, Matplotlib.
 - Face mask classification either from a saved file or in real-time with accuracy of 96 percent ensuring adherence to safety protocols like wearing masks is paramount for public health.
- Langchain Food Recommender - LARGE LANGUAGE MODELS - (June 2023 - July 2023)**
A custom made PDF document is divided into chunks, embedded, and queried using Human language and a Chatbot.
- Tech Stack: Python, Langchain, Transformers, HuggingFaceEmbeddings, FAISS, OpenAI, ipywidgets, Pandas, Matplotlib
 - Project computes vector embeddings, stores in a vector database and performs semantic search on the document.
- Data Science Wage Calculator - MACHINE LEARNING AND WEB SCRAPING - (December 2022 - February 2023)**
Developed a salary estimation tool for data science roles using machine learning models and web scraping techniques.
- Tech Stack: Python, Selenium, JSON, Pickle, Pandas, Scikit-learn, Matplotlib, Seaborn, GridsearchCV.
 - The metric used to evaluate models was mean absolute error, which is close to 25k. This project directly aids in the negotiation of fair compensation for data scientists, by providing an objective estimate of their market value.

CERTIFICATIONS

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| •IBM Artificial Intelligence Analyst | <i>Certificate Link</i> |
| •Git Complete: The definitive step-by-step guide to Git | <i>Certificate Link</i> |

VOLUNTEERING EXPERIENCES

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| •Cryptic Hunt - Gravitas Event , Association for Computing Machinery (ACM-VIT) | <i>Manager of the event</i> |
| •Blood Donation Camp , Youth Red Cross (YRC-VIT) | <i>Manager of the event</i> |
| •VIT Clubs and Chapters - ACM, Dramatics Club, Film Society, YRC | <i>Core Member</i> |