DEVANADHAN A

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Having 2+ years of Hands-on Experience in designing, developing, and implementing cutting-edge models without technology barriers. Skilled in data preparation and innovative problem-solving skills. Seeking a challenging role for continued learning, collaborating with cross-functional teams, and contributing to Data Science advancements

PROFESSIONAL EXPERIENCE

Organization: Tata Consultancy Services   **2021 [Nov] - Present**
Designation: Data Scientist

SKILLS & OTHER

- **Machine Learning:** NLP, Basics of LLMs, Neural Networks,Yolo, Reinforcement Learning.
- **Python/ML Packages:** Pandas, NumPy, Matplotlib, Scikit-Learn, Flask, Tensorflow,Pytorch.
- **Text Processing:** TF-IDF, word2vec, Spacy.
- **Database:** SQL
- **Cloud Platforms/Services:** AWS EC2 Instance, Vertex AI.
- **Other Skills:** PowerShell Scripting, Basics of ETL, Requirement Analysis, Googling.

PROJECTS

Domain: TCS Mastercraft - Research & Development
Mastercraft Application and ML Bot:
        This project is fully based on the Natural Language Processing (NLP) concept. I have Worked on Reinforcement Learning from the Human Feedback model. As a research team worked on a patent activity where my team is trying to make a system like continuous learning model. Trained a Neural Network to learn abbreviation and its expansion. For a prompt Engineering Generative AII task, I used LLMs like CodeLlama and GPT-2 Neo to generate the java code for a desired output. Apart from ML concepts I have worked on PowerShell Scripts and AWS EC2 Instances.

Domain: Retail **-** Albert Heijn
Virtual assistance with emotions for senior citizen:
        Used Blender Bot-400 for Conversational bot.Worked in the Reminder module, to notify the user on their own alerts and periodically alerting the user to take food and medicines on user defined time.

Gap scanner for retail store shelves
        To ensure the On-Shelf availability of the products, I have trained a Deep Learning (YOLO) model to detect the product on the shelves with the help of shelf images as input and mapping the gap found between the products in the shelf. I have built this project from scratch and made two versions of it.

EDUCATION

College: K Ramakrishnan College of Technology.	2021
Course: B.E - Computer Science and Engineering. GPA – 7.79	
HSC: Sree Venkateshwara Vidyalaya Higher Secondary School	2017
Computer Science, Percentage – 63.4%	
SSLC: Dhanalakshmi Srinivasan Matriculation Higher Secondary School.	2015
Percentage – 88.8%	

CERTIFICATIONS

- DP-100: Designing and Implementing a Data Science Solution on Azure.

ACHIEVEMENTS & AWARDS

- Received the certificate of achievement for delivering the project on-time with a fast-paced learn and Execute approach.

Declaration:

All the above particulars furnished by me are true to the best of my knowledge and belief. I assure if I am given a chance, I will execute my work to the fullest satisfaction of my superiors.

Devanadhan A