Aranya Ray

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PERSONAL DETAILS

LinkedIn: https://www.linkedin.com/in/aranya-ray-46a635156/

Github: https://github.com/rayaran1000

Medium Blog: https://medium.com/@aranya.ray1998

Portfolio: https://portfolio-six-eta-38.vercel.app/

SKILLS & INTERESTS

Skills: Statistics, Data Science, Data Analysis, Machine Learning, Data Mining, Deep Learning, , Natural Language Processing, Data Structures, Generative AI, Prompt Engineering

Frameworks: Numpy, Pandas, Matplotlib, Seaborn, Tensorflow, Keras, Sklearn, Pytorch, NLTK, Transformers, OpenCV, Flask, Django, FastAPI, Langchain

Tools: Power BI, Tableau, Jupyter Notebook, VS Code, Postman, IBM Zos Explorer

Languages: Python, COBOL, HTML, CSS

WORK EXPERIENCE

Cognizant Technology Solutions   **Gurgaon, Haryana**
Software Engineer   *Aug 2020 - Present*

- Developed Service and API solutions in ZOS Explorer to efficiently retrieve and process data from Mainframe applications, demonstrating proficiency in data extraction and integration techniques.
- Utilized SQL and DB2 language programs within the Mainframe environment to manage and manipulate data effectively, ensuring accurate and timely access to critical business information.
- Led the development of code enhancements aimed at improving customer satisfaction on the business side, leveraging data-driven insights to inform decision-making processes and drive operational efficiency.
- Spearheaded the creation of custom code modules from inception to implementation, addressing evolving customer needs and integrating new functionalities into existing systems to enhance user experience

PROJECT EXPERIENCE

Omdena   **Remote**
Jr Data Scientist   *Nov 2023 - Feb 2024*

- **Project Title:** Analyzing Brain Scan Images for the Early Detection and Diagnosis of Alzheimer's Disease
- **Description:** The journey of collaborating on the "Analyzing Brain Scan Images" project with a diverse global team from 50+ countries has been both enriching and rewarding. As a Junior Data Scientist, I played a pivotal role in data collection, augmentation, and model development, collaborating closely with experts from different backgrounds. Together, we meticulously crafted a custom Convolutional Neural Network (CNN) architecture, leveraging advanced techniques like hyperparameter tuning with Keras-Tuner
- **Key Contributions:**
- Spearheaded efforts in data collection and augmentation, ensuring the availability of high-quality data for model training and validation.
- Contributed to the development of a custom CNN architecture, focusing on feature extraction and optimization to enhance model performance.
- Collaborated with team members on model deployment using Streamlit for the front end, Dockerization for backend infrastructure, and Hugging Face's spaces for seamless deployment, ensuring accessibility and user-friendliness of the solution.

CERTIFICATIONS AND COURSES

Python for Data Science - IBM: https://coursera.org/share/22fb8625a37f66267bf10222e40515f9

Supervised Machine Learning: https://coursera.org/share/bd9486f5bcf2a5389d86040a34753c95

Generative AI with Large Language Models: https://coursera.org/share/e695850583986389f77d056cf5fc3004

EDUCATION

IIEST, Shibpur   **Kolkata,West Bengal**
BTech in Mining Engineering   *Graduation Date: Apr 2020*

BITS Pilani   **Pilani,Rajasthan**
MTech in Data Science and Engineering   *Graduation Date: Oct 2023*