

# Aranya Ray

India | +919870539924 | aranya.ray1998@gmail.com |

## PERSONAL DETAILS

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

**Github:** <https://github.com/rayaran1000>

**Medium Blog:** <https://medium.com/@aranya.ray1998>

**Portfolio:** [aranya-ray-portfolio.vercel.app](https://aranya-ray-portfolio.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

IIST, 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*

