

ARYAMAN

Data-driven problem solver and AI enthusiast, leveraging ML, Python, and web dev skills to unlock the potential of data for transformative solutions.

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EXPERIENCE

Data Analytics Intern

Inspira Enterprises

Jun 2023 – Jul 2023

Ranchi, Jharkhand

- **Performed advanced data analysis:** Utilized Python and data manipulation techniques to collect, clean, and conduct extensive exploratory data analysis on diverse datasets. Identified meaningful patterns, trends, and insights, driving data-driven business decisions and contributing to the company's growth.
- **Developed a robust web portal for CSIS:** Collaborated with CMPDIL (Under Ministry of Coal) to create an efficient web portal for data management within the coal industry. Implemented data visualization tools to facilitate easy interpretation of complex information, enabling stakeholders to make informed decisions promptly.
- **Created Python-based Payroll Comparison Tool:** Designed and implemented a data analysis tool using Python, empowering the payroll review process with automated data processing and insightful visualizations, leading to enhanced accuracy and efficiency.

Big Data Intern

CMPDIL, Coal India Limited

Dec 2022 – Jan 2023

Ranchi, Jharkhand

- **Conducted text mining and analytics using SAS Enterprise Miner:** Analyzed safety issues and accidents data from various coal fields and mines, leveraging SAS EMiner to uncover crucial insights. Developed predictive models to forecast potential safety concerns, contributing to proactive risk management strategies.

PROJECTS

AI Tutor

Apr 2023

- Spearheaded the development of an AI-driven web-based chatbot, leveraging OpenAI's GPT-3 language model, to provide automated tutoring services to students, covering diverse machine learning topics.

Gender and Age Detection

Oct 2022 - Dec 2022

- Implemented a state-of-the-art Convolutional Neural Network (CNN) with Skip Connections to achieve an impressive 87.56% accuracy in gender classification and age estimation based on facial features, making significant strides in computer vision research.

Anime Recommender System

May 2022 – Jun 2022

- Engineered an advanced Anime Recommender System employing Cosine Similarity, K-Nearest Neighbors (KNN), and Association Rules, optimizing user preference data from a vast dataset of 73,516 users and 12,294 anime. Resulted in highly accurate and personalized anime recommendations based on users' viewing history.

Anti-Suicide Chat Bot

Jul 2021 – Aug 2021

- Pioneered the creation of an empathetic Anti-Suicide Chat Bot, utilizing a neural network architecture with 16 neurons to provide compassionate and helpful responses to individuals in distress, effectively contributing to mental health support initiatives.

EDUCATION

Data Science Engineering

Manipal Institute of Technology

Oct 2020 – May 2024

CBSE XII Board

Delhi Public School, Ranchi

Jun 2020

SKILLS

Programming Languages: Python, C/C++

Web Development: HTML, CSS, Flask, FastAPI

Databases: MySQL

Big Data Technologies: Hadoop, Pig, Hive, Spark

Machine Learning and Deep Learning: Sklearn, TensorFlow, Keras, OpenCV

Text Analytics: SAS, SAS Enterprise Miner, SAS Text Analytics

Tools: Anaconda, VS Code

CO-CURRICULAR ACTIVITIES

- Head Committee Member- Revels Cup, Annual Cultural Festival of MIT Manipal, Revels 2023.
- Event Head - Swimming, Annual Cultural Festival of MIT Manipal, Revels 2022.
- Organizer - Kalakriti, Annual Cultural Festival of MIT Manipal, Revels 2022.

REFEREES

Ashish Das

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