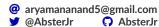
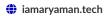
# **ARYAMAN**

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









### **EXPERIENCE**

#### **Data Analytics Intern**

#### **Inspira Enterprises**

- **i** 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 datadriven 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**

#### Al Tutor

- **Apr** 2023
- Spearheaded the development of an Al-driven web-based chatbot, leveraging OpenAl's GPT-3 language model, to provide automated tutoring services to students, covering diverse machine learning topics.

#### Gender and Age Detection

- iii 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

- **i** 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

**J**un 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

- @ ashish.das@coalindia.in
- ✓ Innovation Cell, CMPDI HQ, Ranchi

#### Himanshu Shekhar Sharma

- @ hs.sharma@coalindia.in
- ✓ Innovation Cell, CMPDI HQ, Ranchi