

# ARYAMAN

Data Science and Engineering, Manipal Institute of Technology

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## EXPERIENCE

### Data Analytics Intern

#### Inspira Enterprises

📅 June 2023 – July 2023

📍 Ranchi

- Responsible for supporting the data analysis activities such as collecting, cleaning, and analysing data from various sources to help identify trends, patterns, and insights that can inform business decisions.
- Collaborated with CMPDIL (Under Ministry of Coal) to develop a robust web application for CSIS, empowering efficient data management and streamlined processes for critical information within the coal industry.

### Big Data Intern

#### CMPDI, GOI

📅 December 2022 – January 2023

📍 Ranchi

- Text mining and analytic on SAS Enterprise Miner of data based on safety issues and accidents occurring on various coal fields and mines.

## PROJECTS

### AI Tutor

📅 April 2023

- AI Tutor is a web-based chatbot that utilizes OpenAI's GPT-3 language model to provide automated tutoring to students on various topics related to machine learning.

### Gender and Age Detection

📅 October 2022 - December 2022

- To identify the gender into binary categories, male and female using facial features such as skin tone, wrinkles, etc, and to classify their age based on similar features. The baseline model was set as CNN and multiple models were implemented such as CNN with Skip Connections, ResNet, AlexNet, VGGNet, InceptionV3. CNN with Skip Connections achieved the best accuracy or 87.56

### Carbon Emission Calculator

📅 August 2022

- Calculates the total CO2 emission of a household using functions made in JavaScript and suggests changes to be made to reduce the emission if the calculated values passes a certain threshold.

### Anime Recommender System

📅 May 2022 – June 2022

- Developed an Anime Recommender System using Cosine Similarity, KNN, and Association Rules, leveraging user preference data and ratings from a dataset of 73,516 users and 12,294 anime, aimed at improving the accuracy and effectiveness of anime recommendations for users based on their viewing history.

### Anti-Suicide Chat Bot

📅 July 2021 – August 2021

- A chat bot which talks to people and replies to them based on a set of predefined responses related to suicidal thoughts. The algo is using a neural network of 16 neurons to predict the right output based on the input in the intents.json file.

## EDUCATION

### B.Tech in Data Science and Engineering

#### Manipal Institute of Technology

📅 October 2020 – Present

### Class XII

#### Delhi Public School, Ranchi

📅 June 2020

### Class X

#### D.A.V Public School, Gandhi Nagar, Ranchi

📅 May 2018

## SKILLS



## COURSEWORK

- Data Structures and Algorithms
- Object- Oriented Programming
- AI/ML & Deep Learning
- Big Data
- Operating Systems & Parallel Programming
- Database Management Systems

## CERTIFICATIONS

- Deep Learning Specialization, Deep Learning.ai
- Introduction to Data Science, IBM
- Data Science Fundamentals with Python and SQL, IBM

## CO-CURRICULAR ACTIVITIES

- Committee Member- RevelsCup, Sports | Annual Cultural Festival of MIT Manipal, Revels 2023.
- Event Head - Swimming, Sports | Annual Cultural Festival of MIT Manipal, Revels 2022.