

Aarish Alam

Metallurgical Engineering and Materials Science

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Portfolio Website

Education

National Institute of Technology Raipur

Degree	Year of Graduation	CPI
B.Tech	2023	8.86










Work Experience

Data Scientist, **Unmazer** May 2021 - August 2021




- Developed REST APIs with Database Integration and CI/CD support, deployed them on AWS.
- Developed a Data Pipeline tightly integrated with AWS Services for continuous workflow.
- Worked On Similar Neighbourhood Analysis using Algorithms such as DBSCAN.
- Worked with different types of Alternate Data for Hyperlocal Intelligence module.

Technical Projects

Personal Projects

- **Content Based Filtering** : Built a movie recommendation engine using content based filtering technique by using appropriate Data preprocessing techniques.  
- **Collaborative Based Filtering** : Built a book recommendation engine using collaborative filtering technique with k-means clustering. 
- **Malaria Detection App** : This project demonstrates the use of Transfer Learning using VGG Network to classify whether the cell is infected or not.. The model was deployed on gcp as an endpoint and the app was containerized and deployed using Cloud-Run.  
- **Image Generation Using GANS** : Built a simple Generative Adversarial network to generate image of digit 5 from noise distribution. 
- **Hand Gesture Detection** : With the help of transfer learning trained InceptionV3 model to classify 26 different gestures mapping 26 Alphabets of English Language. 
- **Sentiment Analysis of Movie Reviews** : Using several models made a vote classifier based on hard voting in which predictions are the majority vote of contributing models. 
- **Part Of Speech Tagging** : Trained a LSTM neural network with Word2vec Embeddings of 300 dimensions to classify words into their parts of speech . 


Hackathon Projects

- **Emosong** : Worked in a team of 3 members to develop a website that based on user's emotion detected through live image capturing suggests him songs playlist, suitable accordingly. 
- **AskDoc** : Built and deployed a website which based upon user's symptom determines most probable disease and suggests nearby hospitals.  

Technical Skills

- *Programming Languages*: C++, Python , CUDA
- *Machine Learning Libraries*: Numpy, Pandas, Scikit, Matplotlib, Seaborn, Tensorflow, Keras, NLTK
- *Frameworks*: Flask, Streamlit
- *Database Management*: MySQL, MongoDB
- *Cloud Platform*: Heroku, GCP, AWS

Skills and Interests

- **Medium** Blog writer under the publication of **Analytics Vidhya**. 
- Participated in 14 days long **IITB Crypto Trading Challenge** and ended up under **Top 10** among 204 participants hosted by Finance Club IIT Bombay.