PRASHANT

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Education

Rajiv Gandhi Institute of Petroleum Technology,Amethi   **Dec 2020 - Present**
Bachelor of Technology in Computer Science Engineering   *CGPA:8.29(till 5th Sem)*

ST. Joseph's School   **Jul 2017 - May 2019**
Higher Secondary Education(CBSE)   *89.8%*

ST. Joseph's School   **Jul 2015 - May 2017**
Higher Education(CBSE)   *8.6 CGPA*

Relevant Coursework

- Data Structures
- Operating System
- Algorithms Analysis
- Database Management
- Artificial Intelligence
- Theory Of Computation
- Computer Architecture
- Deep Learning

Projects

Automatic Image Captioning | *Python, Keras, Tensorflow, NLTK, Computer vision*   **Ongoing**

- Aim is to develop a ML based system which takes RGB images from users and generates English language captions.
- The algorithm is evaluated using **Bleu** score.

Prediction of Oil Spill Event at Sea | *Python, Keras, Tensorflow, LSTM*   **May 2022 -Aug 2022**

- Developed an AI based system to assess fresh AIS data of a given ship, which helps to detect change in trajectory of the ship.
- Built a machine learning model to detect the anomaly in AIS data using PCA.

Brain Tumor Detection using MRI Images | *Python, Keras, Tensorflow*   **June 2022 -July 2022**

- Built a machine learning model to detect brain tumors in MRI images.
- Ensemble three **CNNs** i.e **VGG19**, **DenseNet121**, **ResNet101** using Max voting.

Blood Bank Management System | *Html, Css, Javascript, React.js*   **Apr 2022 -May 2022**

- Developed a webpage which allows users to search for the nearest blood bank.
- It give information regarding which type of blood is available on which blood bank.
- It also has a blood bank stock availability page where blood banks can update their stock availability on a daily basis.

Achievements

Smart India Hackathon 2022 : First prize winner in Smart India Hackathon 2022.
Convolve : Secured a rank of **18** in Convolve Epoch 1 conducted on **Kaggle** by **Cisco.**
Google Kickstart 2022 : Secured rank of 2736 in round H and 3604 in round D.
JEE Advanced 2020 : Secured an AIR of **18566** among 2.5 lakhs students.

Coding Profiles

Codeforces :Max Rating: **1292** (Profile)
Codechef :Max Rating: **1571** (Profile)

Skills, Languages and Interests

Languages: Python, C, C++, HTML/CSS, JavaScript, Mysql, MongoDB .
Technologies/Frameworks: React.js, Node.js ,Tensorflow, Keras, Flask, Git, Docker.
Spoken Languages: English(*Professional*), Hindi(*Native*)
Others: Basics of Machine learning, Deep learning

Publications

Prashant,Gargi, Vaibhav Prakash Singh "Ensemble of Deep Learning approaches for Detection of Brain" in **International Journal of Advanced Networking and Applications - IJANA**.