



# Relangi Mohan Sai Kumar

B.Tech – Mechanical Engineering – IIT, Dhanbad



#19JE0699

+91-8688190119

@[mohansaikumarrelangi.19je0699@mech.iitism.ac.in](mailto:mohansaikumarrelangi.19je0699@mech.iitism.ac.in)

Linkedin: [Relangi Mohan Sai Kumar](#)

## PROJECTS

### Dog Breed Classification ([Github](#))

Implemented a machine learning model for dog breed identification which converts all Images of dogs to number format using 'OpenCV' and then fed them into **Renet50v2**, a special type of neural network under the **Transfer Learning** technique, which will help us to identify dog's breed.

### Twitter Sentiment Analysis ([Github](#))

Implemented a Python machine learning model which classifies all kinds of Twitter tweets into positive, negative, and neutral sentiments using **Tensorflow** and **LSTM** and also plotted various graphs for better Visualization.

### Customer Churn Prediction ([Github](#))

Implemented an Artificial neural network model that can predict how likely a customer will churn by analyzing its characteristics. Also used various Oversampling and Undersampling techniques to handle the imbalanced datasheets.

### Real Estate Price Prediction ([Github](#))

Implemented a Linear Regression model which predicts the prices of houses by evaluating various factors like dimensions, location e.t.c. and compared accuracies with other machine learning algorithms.

## POSITIONS OF RESPONSIBILITY

- **Creative head** - Artfreaks-Art club of IIT (ISM), Dhanbad (2021-22)
- **Event Organizer** - All Art Competitions in **Cultural Week' 22** IIT(ISM), Dhanbad. (2021)
- **Member of Promotions team**-BeingArtifex - E-learning-IIT(ISM), Dhanbad. (2021)

## EDUCATION

**Indian Institute of Technology (ISM), Dhanbad,**  
*Bachelor of Technology in Mechanical Engineering*

JULY 2019 - MAY 2023

**CGPA - 8.34**

**Sasi Junior College, Velivennu**

**12th** - APRIL 2017 - APRIL 2019

**98.5%**

**Sai Rakesh E.M High School, Gavaravaram**

**10th** - APRIL 2016 - APRIL 2017

**CGPA-10**

## SKILLS

- **Languages:** C, C++ and Python.
- **Courses:** Data Structures And Algorithms, OOPS.
- **Technical Skills:** Machine learning, SQL.
- **Miscellaneous:** Adobe Photoshop, MS Word, MS Excel, Autocad.
- Good oral skills and a good team player.

## ACHIEVEMENTS

- Stood in the top 5 rankings in 5-week Faceprep Data Structures & Algorithms Bootcamp among 1000+ registered candidates. **July 2021**
- Over 700+ coding questions were solved on various online platforms (Codeforces, Leetcode, Atcoder, Hackerrank, HackerEarth, Geeks for Geeks).
- Secured AIR **11753** in **JEE Advanced**, 2019 amongst ~1.5 lakh candidates.
- Secured AIR **11639** in **JEE Main**, 2019 amongst ~12 lakh candidates.

## EXTRACURRICULARS

- Sketching, Painting, and Digital Painting
- Active Member of ArtFreaks.

## COMPETITIVE PROGRAMMING

- Hackerrank: [Relangi Mohan Sai Kumar](#)  
(Problem-solving - 5 stars)
- Leetcode: [mohansaikumar\\_relangi](#)
- Codeforces: [Mohan SasiKumar](#)