Aviral **Arpan**

Education

Indian Institute of Technology,Kanpur *Kanpur,India*

B.TECH in MECHANICAL ENGINEERING with DOUBLE MAJOR IN COMPUTER SCIENCE
July 2018 -2023(expected)

- CGPA : 9.4/10 (present)

International Public School *Ranchi,India*

HIGH SCHOOL-12TH GRADE (CBSE) *2017*

- Percentage : 88%

D.A.V. Gandhi Nagar *Ranchi,India*

HIGH SCHOOL-10TH GRADE (CBSE) *2015*

- CGPA : 10/10

Skills

Languages	**Proficient**:C,C++,Python,Javascript **Familiar**:Java,R,C#
App	React Native,Flutter
ML frameworks	Numpy,Scipy,NLTK,Pytorch,Tensorflow,Matplotlib,Scikitlearn,Pandas
Web	React,jQuery,Node.js,Express.js,Passport.js
Utilities	PostgreSQL,Rest API,MongoDB,Git,LATEX,MATLAB,Shell utilities

Scholastic Achievements

2018 Academic Excellence Award,IIT Kanpur (awarded to **top 5%** freshmen based on academic performance)
2018 Secured All India Rank 4721 in JEE-Advanced(ranked within **top 2%** among 230000 candidates)
2018 Ranked within **top 0.5%** in JEE-Mains among 1.2 million candidates
2015 Cleared RMO,qualified for INMO(**one of the 35 students selected from Rajasthan**)

Projects

To-do App

SELF-PROJECT *May.2021*

- Built an app that lets the user create a to-do list where the user can add/delete tasks.
- Technologies used: React Native
- Source code:github.com/aviral20091999 /Todo_app

YelpCamp

SELF-PROJECT *Jan.2020*

- Built a campground rating app, where users can create their own campgrounds, view and comment on others' campgrounds.
- Technologies used: Node.js, Express.js, Passport.js, jQuery and MongoDB.
- Source code:github.com/Aviral-Arpan/YelpCamp

Bigmart sales prediction

SELF-PROJECT *Jan.2020*

- Built a machine learning model that predicts sales of various products in different stores that helps in identifying the properties of products and stores that play an important role in increasing their overall sales.
- Used different machine learning algorithms like Linear Regression , SVM, Random Forest Regression, XGBoost.
- Source code:github.com/Aviral-Arpan/bigmart_sales_prediction

Supervised Machine-learning with Iris flowers classification

SELF-PROJECT *Dec.2019*

- Built a machine learning model that identifies 4 different species of Iris flowers using 4 known properties from the given dataset.
- Used different algorithms like K-Nearest Neighbors,Classification and Regression Trees,Gaussian Naive Bayes to identify the best model for prediction.
- Source code:github.com/Aviral-Arpan/iris_classification_python