





# ANANYA SHARMA

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## EDUCATION

### Indian Institute Of Technology, Kharagpur

B.Tech, Manufacturing Science and Engineering

Minor, Mathematics and Computing

2017 - Present

CGPA 8.40

### AISSCE, CBSE, Class XII

S.R International Academy, Nadbai

2017

94.2%

### AISSE, CBSE, Class X

St.Peter's Sr.Sec School, Bharatpur

2015

CGPA 10

## EXPERIENCE

### Machine learning Intern, JungleWorks

May 2020 - July 2020

- Secured SECOND position in a 3 round long data analytics competition organised by DOMS IIT MADRAS
- Cleared Round 1 consisting of questions from Statistics, Probability and machine learning, Round 2 consisting of a case Study on Prediction of the defaulters while lending credit cards from past data and Round 3 consisting of presentation of the final solution on campus.
- Performed EDA followed by pre-processing the data which included missing value imputation using median, outlier treatment, one-hot encoding, Scaling the data (Standardisation, Min-Max scaling, Mean Normalisation)

## PROJECTS

### DataBuzz, Data Analytics Competition, Shaatra 2020, IIT MADRAS

Jan 2020

- Secured SECOND position in a 3 round long data analytics competition organised by DOMS IIT MADRAS
- Performed EDA followed by pre-processing the data which included missing value imputation using median, outlier treatment, one-hot encoding, Scaling the data (Standardisation, Min-Max scaling, Mean Normalisation)
- Applied various classification algorithms including Logistic regression, Decision Trees, Random forest, Neural Networks, Lightgbm, CatBoost, XGBoost and used Bayesian optimisation and grid search to get the optimal parameters for our model.

### INTER HALL IIT Data Analytics, IIT KHARAGPUR

FEB 2020

- Secured THIRD position in an Inter Hall IIT Data Analytics competition on Prediction of the type of Network Congestion.
- Made interpretations on trends followed by different variables using visualisations, correlations and statistical analysis.
- Performed feature engineering, applied various classification algorithms including Logistic regression, Random forest, SVM, XGBoost, used Bayesian optimisation and grid search to get the optimal parameters of the model
- Ensemble models SVM (Radial) and XGBoost to increase the accuracy and MCC of our model.

## SKILLS AND INTERESTS

### Software/Programming Skills

C, PYTHON, R, TABLEAU, C++.

Probability, Statistics, Linear Algebra, Transform Calculus, Operations Research  
Machine learning, Deep Learning, NLP, Recurrent Neural Networks (RNN)  
Convolutional Neural Networks (CNN), Programming and Data Structures.

## KEY ACCOMPLISHMENTS

- Secured a Department Change from Agricultural and Food Engineering to Manufacturing Science and Engineering by achieving academic excellence, being within the top 7 of a student population of over 1400
- Recipient of prestigious MCM scholarship awarded by Government of India based on merit.
- Qualified for 2nd round of "Flip the Grid competition" by FLIPKART based on Machine learning
- Qualified for the second round of Strategy Storm Case Study competition by IIT Guwahati.

## POSITION OF RESPONSIBILITY

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### **Coordinator, Communiqué, IIT KHARAGPUR**

Jan 2020

- Supervised a team of 20 secretaries, organised workshops on soft skills improvement, CAT, GRE, and UPSC.
- Initiated a test ELAT for testing communication skills of students, series of events for students needing support.
- Managed a workshop conducted by WAC on ML, IOT, AI attended by over 1000 students from all over India.

### **Secretary, Communiqué, IIT KHARAGPUR**

Jan 2020

- Supervised a team of 23 members, organized over 8 workshops on soft skills improvement including presentation and Group Discussion
- Regulated a course on effective communication by Sinha Research, Switzerland for First year students during Orientation Program.
- Managed the Placement Drive, comprising of Mock Group Discussions, Panel Discussions for Internships, Personal Interviews by ERUDITE