



EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2020	B.TECH	IIT Kharagpur	6.06 / 10
2014	BIHAR INTERMEDIATE BOARD	F.S COLLEGE,FATEHPUR SANDA	62.4%
2011	BIHAR SCHOOL EXAMINATION BOARD	G.S HIGH SCHOOL,GOH	67.6%

INTERNSHIPS

Zivanta Analytics Private Limited,Kolkata(May-June 2019)

- Extracted approximately **1.5 GB** of data for NFCC website from google analytics through **API KEY** using Python.
- Visualised the trends of Impression vs Interaction and Interaction vs cost using Matplotlib.
- Implemented Autoregressive integrated moving average(**ARIMA**) model on the dataset for analyzing and forecasting time series data.
- Documentations, flow diagram, funnel creation and analysis of NFCC website using clickcharts.

Data Science Internship | ISE Department, IIT Kharagpur(May-July 2018)

- Crawled the product reviews for 18 mobile-phones from Flipkart website and created a new corpus which contains 1,50,000+ reviews.
- Preprocessed the text data and vectorized it using tf-idf on NLTK framework in python.
- Sentiment analysis of the review using naive bayes Classifier from sklearn package and accuracy check using confusion matrix.

PROJECTS

Customer Churning Analysis | Prof. Debasis Samanta IIT Kharagpur(Aug -Sep 2017)

- Developed Customer retention model for customer churn data which consists of details of 5000 customers calls.
- Reviewed the predictor variables and derived new variables to improve accuracy of the classification model.
- Achieved a model of accuracy of 95% which was obtained by using Random Forest classification method.

Route Relay Interlocking(RRI) | Prof. Goutam Sen IIT Kharagpur(Jan-Apr 2018)

- Analyzed the cognitive load upon a operator of a train dispatch system.
- Simulation of manual operator for dispatching trains carried out in a 3D environment completely developed from scratch in Unreal Engine.

Loan Prediction using Python | Data analytics (Oct-Nov 2019)

- Prediction of loan defaulter based on training set of more than 1L records using Python, NumPy, Pandas, sk-learn.
- Data preprocessing included filling null values with mean value, one-hot encoding of categorical variables, feature standardization using MinMaxScaler. At the end after cleaning the data model was trained using **Logistic Regression,Decision tree algorithm** and **Random Forest algorithm**.
- Achieved training accuracy of **85%** and test accuracy of **79.65%**.

COMPETITION/CONFERENCE

Patliputra super 30

- I was one of the selected candidate among 30 candidates from all over Bihar/Jharkhand in 2012
- I was awarded 100 percentage scholarship for preparation of IIT JEE entrance examination.

COURSEWORK INFORMATION

• Programming and Data Structures | Soft Computing | Linear Algebra | Logistics and Supply Chain Management | Production Planning and Control | Quality Engineering | Probability and Statistics | Engineering Economy, Costing and Accounting | Optimisation and Heuristic Method | Product Development | Management and Inventory Systems

SKILLS AND EXPERTISE

- Programming Skills:** C, Python, HTML, SAS
- Software:** SolidWorks, Arena, ClickCharts, MS Office
- Machine Learning Algorithms:** Linear and logistic regression, Random Forest ,Decision Tree, Naive Bayes

EXTRA CURRICULAR ACTIVITIES

- Actively participated in Illumination and Rangoli in Lal Bahadur Shastri Hall of Residence, IIT Kharagpur and responsible for resource allocation and motivating the hall mates.
- Successfully completed NSO Health and Fitness for consecutive four semester, solely responsible for leading the unit for different activities like Exercise, Yoga, rallies, campaign etc.
- Volunteered Online for UN India on the eve of World Environment Day 2018 in campaign against plastic pollution.
- Participated in social welfare activities like Swachh Bharat Abhiyan, Tree Plantation, Blood Donation, Run for Unity.