



Nabajyoti Majumdar
Mechanical Engineering
Indian Institute of Technology, Bombay

170100081
B.Tech.
Gender: Male
DOB: 01-07-1998

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2021	

SCHOLASTIC ACHIEVEMENTS

- Screened among **top 300 students** in **National Standard Examination in Physics, 2016**
- Selected to study in **Indian Institute of Science** due to selection in both rounds of **KVPY, SA(2015)**
- Zonal Rank 1** in Northeast and **International Rank 48** in **18th National Science Olympiad, 2015**
- Cleared **Facebook HackerCup** Qualification Round, 2020 with a rank of **5149** out of **32000** participants

PROFESSIONAL EXPERIENCE

OYO Rooms | Data Science Intern

(May 2020)

Project: Drop Offs on Web and App Platform

Virtual Internship

- Used **Google BigQuery** and OYO database to understand and explore customer journeys through OYO-Life web and app platform by developing SQL queries to get user data and page data
- Implemented an **interactive** model for **visualising** customer journeys through **sankey plots** using **Python 3**
- Identified dropoff points by **Exit Analysis** and suggested measures to improve over-all conversion rate

KEY PROJECTS

Flight Delay Prediction

(Course Project, Spring 2020)

Guide: Prof. Biplab Bannerjee | GNR 652— Machine Learning in Remote Sensing

- Visualised important underlying trends with **Seaborn** and implemented **Logistic Regressor** and **Decision Tree Classifier** from scratch in Python3 to predict flight delays on the **US Airline** dataset

Churn Modelling

(Online Course Project, Udemy, 2019)

Machine Learning and Business Analysis

- Developed a model using **XGBOOST** to predict whether an employee would quit a company using features like **estimated salary**, **tenure** etc. and obtained mean accuracy of 87 percent using **K-Fold Cross Validation**

Twitter Sentiment Analysis

(Online Course Project, Coding Ninjas, 2019-20)

Natural Language Processing

- Used **Naive Bayes Classifier** and **Random Forest Classifier** on the **US Airline Sentiment Dataset** from Kaggle consisting of **14000** tweets to classify **positive**, **negative** and **neutral** tweets

Lyrics Search Web-App

(Online Course Project, Udemy, 2020)

Frontend | Fetch, Pagination, Lyrics.ovh API

- Utilized **Lyrics.ovh** API to create a web-app to search **song/artist** and fetch lyrics putting them in **DOM**
- Enhanced the UI by adding **Pagination** and **lyrics functionality** to make it attractive, using vanilla Javascript

Movie Seat Booking

(Online Course Project, Udemy, 2020)

Frontend Development | HTML, CSS, Javascript

- Designed an **interactive web-interface** in which users can select/deselect movie, price and favorite seats
- Added features to save seats, movie and price data in **Local Storage** so that UI is **still populated** on refresh

Startup Funding

(Online Course Project, Coding Ninjas, 2019)

Data Handling and visualisation

- Given a dataset about **Indian startups from 2015-17**, important questions like **top investors**, suitable locations, trending fields being funded are answered using **pandas** and **numpy** and visualisations done with **matplotlib**

TECHNICAL SKILLS

Programming

C++, Python 3, Java

Software

Anaconda, AutoCAD, Octave, Dreamweaver(Web-Designing tool), NetBeans

Design

HTML, CSS, Javascript, jQuery, Bootstrap, React

ML and DS

Pandas, Numpy, Matplotlib, sklearn, Tableau

POSITIONS OF RESPONSIBILITY

Coordinator

February 2018 - December 2018

Events and Exhibitions, Techfest

IIT Bombay

- Led a team of 10+ to organize International Exhibitions, showcasing 30+ world-class innovations to **60k+** people
- Contacted and negotiated with Tech giants, Research and Educational Institutions from 39+ countries

Mentor

September 2019

Dance Mania, IIT Bombay

- Mentored 10+ students for Dance Mania, a competition for freshies and sophomores and bagged 5th position

EXTRA-CURRICULARS

- Played a key role for Hostel-6 Dance Group and secured **first position** in **Gyrations, 2018**
- Opening batsman** and **Wicket-Keeper** of the Winners of Intra-Hostel Cricket competition, **Starks**