



SACHIN GURUNATH PAWAR | 17MI3FP11

MINING ENGG.(B.Tech) & FINANCIAL ENGG.(M.Tech)
MINOR in MATHEMATICS & COMPUTING (M.Sc. 5Y)

EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2022	B.Tech + M.Tech	IIT Kharagpur	8.23 / 10
2016	Maharashtra State Board	Yeshwant College,Nanded	77.69%
2014	Maharashtra State Board	Mahatma Phule High School,Nanded	95.80%

PROJECTS

RT-GSOM:Rough Tolerance Growing Self-Organizing Map **Dec'18-Jun'19**
(Research Project under Guidance of **Prof. J. Maiti**)

- Applied **Rough Tolerance Theory in Normal G-SOM** to deal with vagueness and uncertainty in datasets.
- We presented a comparative experimental evaluation of the important validity measures (SI & DB indices).
- This project proposes a hybrid self organized model for cluster analysis using **rough set theory**.

Network Congestion | Inter Hall Competition | IIT Kharagpur **Jan-Feb'19**

- Built a predictive model to find the type and to overcome the network congestion of the telecom Industry.
- Visualized the data and found the reasons for that congestion from 36 features of around 80,0000 datasets.
- Used Machine learning algorithms like **Random forest,K-means,dimensionality reduction algorithms** to increase accuracy and statistical libraries to filter out highly **correlated** features by **feature engineering**.

Machine Learning | Neural Network **Mar-Apr'19**

- Artificial Neural Network:** Built an image classifier model which predicts whether the image is of cat or not.
- Participated in **Kaggle Competition** for the problem titled **Titanic Survival Prediction** (Platform:**Jupyter Notebook**)
- Visualized the Data by plotting graphs, **Correlation Heat Map, Pie charts** using statistical libraries in python.
- Built a classifier model to predict the survival of passenger using features like gender,age,ticket fare,etc.

AWARDS AND ACHIEVEMENTS

Open IIT Data Analytics Competition | Secured Bronze **May'19-Jul'19**

- Analyzed data to find proper inventory management strategy for maximizing the profit from sales.
- Used **ARIMA** Model to predict the future cash flows (Platform used: Python and MS Excel).

Open IIT Case Study Competition | Secured Silver **Dec'18-Jan'19**

- Developed a strategy to grow business by expanding the markets via adding a variety of products.
- Prepared Financial Statements to predict the financial position and cash flows of the startup.

SKILLS AND EXPERTISE

Languages - C | C++ | Python (NumPy, Pandas, Matplotlib, Scikit-Learn)

Competitive Coding – On Codeforces, Spoj, Hackerrank(Gold batch in problem solving).

Software and Tools- SolidWorks | SketchUp | Linux | Anaconda | Jupyter Notebook | Github

COURSEWORK INFORMATION

Programming Courses: Programming and Data Structure | Probability and Statistics | Machine Learning (Andrew N G Coursera) | Data Analysis (Udemy) | Python for Data Science

Finance Courses: Corporate Finance and Financial Accounting | Bloomberg Marketing Concept | Economics | Regression and Time Series Analysis | Modern Algebra

POSITIONS OF RESPONSIBILITY

Event & Competition Head | Finance Club | IIT Kharagpur **Apr'19-Present**

- Responsible to lead a **3-tier** team of **45+** people for organising Financial Seminars with around **200+** footfall.
- In-Charge for organizing quizzes and ice-breaker events during the seminars.
- Responsible for the conduction of all the **technical workshops**, planning and executing all the events.

Mentor | Student Welfare Program **Jul'19-Present**

- Assisting **9freshers** to make better choices by providing guidance about available opportunities and avenues.
- Helping students **weak** in academics elevate their performance and achieve academic and overall stability.

EXTRA CURRICULAR ACTIVITIES

- Bagged **Gold** in Inter Hall **Chess**, contributed in winning Sports General Championship 2018-19 for Azad Hall.
- Contributed in winning Sports General Championship 2017-18 for Azad Hall, by bagging **Silver** in Inter Hall **Chess**.
- Part of **Gold** winning choreography team of Azad Hall of Residence in Social-Cultural General Championship 2019.