



EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2023	M.TECH Dual Degree 5Y	IIT Kharagpur	7.33 / 10
2016	Telangana State Board of Intermediate Education	Vijayaratna Junior College	92%
2014	CBSE	N.S.M Public School Vijayawada	9.6 / 10

COURSEWORK INFORMATION

- Programming and Data Structures (Theory/Lab)
- Logistics and Supply Chain Management
- Optimisation and Heuristic Methods
- Machine Learning
- Operations Research
- Quality Engineering
- Probability and Statistics
- Information Systems (Theory/Lab)
- Management of Inventory Systems
- Linear Algebra
- Simulation (Theory/Lab)

SKILLS AND EXPERTISE

- **Programming Languages and Libraries** : C | C++ | R | Python | Pandas | Matplotlib | Scikit-Learn | Keras | Folium
- **Softwares** : Arena Simulation | Solid works | MS Office | Matlab | Simulink

PROJECTS

Simulation of Howrah Railway Station | Course Project | Prof. BG Menon | 12-01-2021 to 28-03-2021

Simulated the Howrah Railway station in the present situation in order to remove the bottlenecks and designed a new Platform Allocation Policy using Arena Simulation Software and Excel. Reduced the waiting time for Trains coming from the Eastern Railway Zone by **20%** and Improved the Overall Platform Utilization by **10%** by dividing the entire station into three zones.

Optimising Bank Lending Decision | Course Project | Prof. Akhilesh Kumar | 18-03-2021 to 07-03-2021

As part of Coursework of Optimisation and Heuristics Lab, implemented **Genetic Algorithm** model amalgamated with **Tabu Search** for optimizing Bank Lending Decision on basis of the paper "*Genetic Algorithm Based Model For Optimizing Bank Lending Decisions*"

Optimal Location of Warehouses | Course Project | Prof. Sarada Prasad Sarmah | 03-08-2021 to 18-11-2021

As part of Coursework, replicated the case study on the AI's Athletics Case Study present in reference book Supply Chain Network Design where optimal locations for warehouses were found using Cplex and visualisation is done using Python.

CERTIFICATIONS

IBM Data Science Professional Certificate | Coursera | Prof. Romeo Kienzler | Dec 2019 to Aug 2021

Completed the MOOC on Coursera which is a set of 9 Courses covering various Data Science topic like Python and SQL Programming Languages, Data Visualisation, Data Analysis and Machine Learning as well as contain various small projects like visualising Geospatial Crime Data in San Francisco for the year 2019, developing classification models for determining loan pay off etc.

Foundational Finance for Strategic Decision Making on Coursera | Prof. Gautam Kaul | University of Michigan | July 2020 to Oct 2020

A Set of 4 Courses (Introduction to Time Value of Money, Decision Criteria & Applications, Stocks & Bonds, Risk, Return & Valuation) which covered the topics such as basics of Time Value of Money, Risk & Return, Valuation, Stock & Bonds and Basics of CAPM Model.

AWARDS AND ACHIEVEMENTS

- Achieved 5 Stars on Hackerrank in Problem Solving Section (current score = 1732.55)
- Awarded the Kishore Vaigyanik Protsahan Yojana (KVPY) Fellowship in SX stream by Indian Institute of Science, Bangalore
- Stood in the top 3 percentile in JEE Advanced 2017 among the top 0.25 million candidates qualified through JEE Main 2017

POSITIONS OF RESPONSIBILITY

Vice Captain of Illumination, Meghnad Saha Hall of Residence

Lead a Team of 100 students for Illumination, a cultural competition conducted on the eve of Diwali in IIT Kharagpur, as Vice Captain of Meghnad Saha Hall of Residence

EXTRA CURRICULAR ACTIVITIES

- Member of National Sports Organisation (NSO - Health and Fitness).
- Freelance doubt solving as subject expert to JEE Level Students on Toppr.com.
- Member of Volleyball Team in Meghnad Saha Hall of Residence, General Championship, IIT Kharagpur. (2018-2020)