



Ruttala Bhaskara Rao
Technology and Development
Indian Institute of Technology Bombay

23M0209
M.Tech.
Gender: Male
DOB: 06/10/2000

Examination	University	Institute	Year	CPI / %
Post Graduation	IIT Bombay	IIT Bombay	2025	9.11
Graduation	RGUKT	RGUKT Srikakulam	2022	9.31
Graduation Specialization: Mechanical Engineering				
Intermediate	RGUKT	RGUKT Srikakulam	2018	9.15
Matriculation	BSE AP	Prathibha Vidyalayam	2016	10

SCHOLASTIC ACHEIVEMENTS

- Secured **first place** in the **Project Expo** event in Tecrush 2019, annual tech event of RGUKT Srikakulam
- Secured **first place** in **Quiz competition** held on National Science Day Celebration 2019, RGUKT Srikakulam
- Secured **Second place** in **Technical Quiz** event in Tecrush 2019, annual tech event of RGUKT Srikakulam

INTERNSHIP

Field Research Intern, Ambe Panchayat, Pandharpur | Prof. Parameshwar D.Udmale, IIT Bomaby (May`24-July`24)

- Analyzed data from **150+** survey respondents and **2+ government schemes** using Excel.
- Case Study** on Sericulture plant and identified the factors driving to revenue loss through **financial analysis**.
- Thermal Analysis to improve the performance of the plant by **20 percent**

POSITION OF RESPONSIBILITY

Department Placement Coordinator | Placement Team, IITB

- Devised an efficient Plan of Action for 15+ activities, aligning students with industry standards in various portfolios
- Streamlined company pitching with preferences from 20+ students, ensuring maximum placements of students

Department External Affairs Secretary Nominee | Department Council , IIT Bombay

- Managing a comprehensive 12+ years alumni database, facilitating effective communication and engagement
- Initiated and conducted alumni talks, with plans for future sessions to foster alumni interaction

Member of Finance Team | Student Chapter, RGUKT Srikakulam

- Coordinated with Chairman of Student Chapter in getting funds for the organization
- Participated in budget preparation of 3+ events which are organized by Student Chapter

Teaching Assistant| TD 613| T & D |IIT Bombay

- Assisted professor in conducting Lecture, Quizzes, Assignments and Semester Evaluations of students
- Maintained data of 50+ students of their attendance and performance in the course

TECHNICAL SKILLS

Languages & Software: Python, Data Structures, Power BI, MINITAB, MYSQL, QGIS, Google Earth Engine, MS Office Suite
Tools & Libraries: Tensorflow, Sklearn, Matplotlib, Numpy, Seaborn, Matplotlib, Pandas

KEY PROJECTS

Predictive Analysis of Client Demographics and Behavior in Banking Campaigns| Self-Project (Mar`24-May`24)

- Analyzed **15+** features across **40,000+** client records using **NumPy** and **Pandas**, uncovering significant trends in demographics and behavior that informed targeted marketing strategies.
- Developed visualizations with Matplotlib, effectively communicating insights that enhanced understanding of client profiles, leading to a **15%** improvement in targeting accuracy

Financial Modelling and Analysis of Housing Project in Gurgaon| Self-Project (Apr`24-June`24)

- Created a Financial Model using Excel for 50 Flats, analyzed Cost, Revenue, and Finflows for the project, and projected the feasibility of the project by estimating 10 years projection for all indicators

Case Study of Jharkhand | Data Analysis on NFHS-5 and HMIS Data GOI (July`23-Nov`23)

Public Policy: Theory and Practice | Prof. Satish B. Agnihotri, IIT Bombay | Course Project

- Analyzed temporal and spatial variations of **30+** features using Python and QGIS to study the health indicators, identify TopDistricts that were performing Low, and documented as a case study

Predicting the solar irradiation| Self-project (Jan`24-Mar`24)

- Developed model to predict solar irradiance, using **feature selection** (Correlation Matrix, SelectKBest, Extra Tree Classifier) and **feature engineering** (BoxCox, Log, Min-Max, Standard transformation) to enhance model input
- Implemented **XGBoost** and **MultiLayer Perceptron** models, achieving an **RMSE** of 81.44 and **R² score** of **0.93** with XGBoost, and **MAE** of **40.67** with the MultiLayer Perceptron

Extra Curricular Activities

Workshops	<ul style="list-style-type: none">Participated in 3D printing workshop at RGUKT Srikakulam conducted by Replica tronParticipated in Auto CAD workshop at RGUKT Srikakulam conducted by CAD DESKParticipated in Catia Phase 1 Workshop at RGUKT Srikakulam conducted by APSSDC
Sports	<ul style="list-style-type: none">Member of Winning Cricket team among 8 teams in Telca Tournament, IIT BMember of Department PG Cricket team, T&D, IITB
Culturals	<ul style="list-style-type: none">Performed drama in the department cultural event , TDSAA,IIT B