

EDUCATIONAL QUALIFICATIONS

YEAR	DEGREE	INSTITUTION	CPI/PERCENTAGE
2018-2020	MTech in Industrial and Management Engg.	IIT Kanpur	8.38
2013-2017	BTech in Mechanical Engineering	Amrita School of Engineering (IOE),Coimbatore	8.64 (DISTINCTION)
2013	Class XII (CBSE)	KNMS Trichy	68.2
2011	Class X (CBSE)	Montfort School Trichy	8.4

SUMMER INTERNSHIP

Data Analyst Intern at FlyNava Technologies

(May'19-Jul'19)

AutoPilot	<ul style="list-style-type: none"> Developed AutoPilot Algorithm to minimize FlyDubai's Work in Filing Fares to ATPCO Utilised Python Packages like Pandas, Numpy, PyMongo for Development Gained Proficiency to Query in MongoDB (a NoSQL based Database Program)
Customer Segmentation	<ul style="list-style-type: none"> Identified the different customer segments that travel by air and their behaviour Utilised the FlyDubai's (A client of FlyNava) Sales data for the years 2016 and 2017 Performed K-Means-Clustering on it using the Python library Scikit Learn (sklearn.cluster) Found that there are 6 different and unique customer segments differing in needs & behaviour.

RELEVANT ACADEMIC PROJECTS

1. Forecasting the Demand for bikes : A Time-series Analysis

- Examined historical data and identified attributes affecting the demand for bikes by **correlation matrices** in R.
- Inspected the data for **Trends,Cyclicity,Seasonality** and carried out Data Cleaning (Outlier Treatment)
- The Best model on the basis of **ACF and PACF** plots predicted the demand for bikes with **82% accuracy** in the test data.

2. Predicting the Price of Used Toyota Corolla Cars

- Did **Predictive Analytics** on Used Toyota Cars dataset using **Mutiple Linear Regression** Technique on R.
- Advanced Descriptive Statistics like **Multi-Collinearity & Heteroscedasticity** were checked on the data before Modelling.
- The **Hypothesis test** on Statistical insignificance showed that certain variables are of no use (like Color, BodyType etc)
- The Final model with an **R² value** of 0.8699 showed that variables like Weight, FuelType , Age of vehicle decides the Price

3. Lead Scoring using Logistic Regression Technique

- Examined data of an E-Learning platform which markets its courses on several websites and search engines to find **Hot Leads**
- Logistic Regression was used to assign **Lead Scores** using the **Python** library **Statsmodel** and the function **GLM()**
- Cut-off point ($p = 0.4$) was found using the **ROC curve** which resulted in a **Accuracy, Sensitivity & Specificity** of **80.4%, 80% and 80.7%**.

4. A Market Research on Vodafone-Idea Ltd to Find Customer Segmentation and Reasons for Customer Churning

- Designed cross sectional dynamic survey form using different Scaling techniques like Continuous Rating, Likert, Staple etc.,
- Conducted **Exploratory, Descriptive Research** using primary data obtained by convenience random sampling through an online survey
- Analyzed sampled data using statistical test (**Chi-Squared, One way ANOVA**) to test our hypothesis

COURSEWORK AND SKILLS

IIT Kanpur	1. Statistical Modelling for Business Analytics 2. Marketing Research 3. Research Methodology 4. Computer Aided Decision Systems 5. Business Management using CLOUD	GRADE - A
(Online)	5. Data Mining and Knowledge Discovery 6. Probability and Statistics 7. Operations Research 8. Introduction to Computing – JAVA 9. E- Supply Chain Management 10. Advanced Statistical Modelling for Business Analytics (Ongoing)	
Skills	1. Statistics and Exploratory Data Analytics 2. Predictive Analytics 3. Introduction to Data Management Python R SQL C++ C MS Excel	

POSITIONS OF RESPONSIBILITY

1. DPGC Student Representative, IME Department, IIT Kanpur	(Jul'19 – Present)
<ul style="list-style-type: none"> Nominated to Represent the MTech Students of IME Dept. in the DPGC. Responsible for Academic Registration, Appointment of Taship and all other academic related works of the Y18 and Y19 MTechs of IME Dept for the academic year 2019-2020 	
2. Cultural Secretary, Anandamayi, Amrita School of Engineering	(Sep'14 – Jan'15)
<ul style="list-style-type: none"> Nominated to Coordinate and Organize the annual cultural fest of Amrita School of Engineering – Amritotsvam 2016. 	
3. Orientation Team Member, Counselling Service, IIT Kanpur	(Aug'19)
<ul style="list-style-type: none"> Assisted the Core Team of PG Counselling Service in organizing and conducting an 8 day long Orientation Program for PGs and PhDs. 	
4. Teaching Assistant, IME Department, IIT Kanpur	(Jul'19 – Present)
<ul style="list-style-type: none"> Serving as the Teaching Assistant for the finance course – Derivative Contracts (MBA 772) 	

ACADEMIC AWARDS AND ACHIEVEMENTS

- Published my UG Final Year Research work in **SPRINGER'S SILICON** journal
- Have Qualified **GATE** three times consecutively in 2017, 2018 and 2019 with a notable percentile of **99.20** in 2018.

EXTRA CURRICULAR ACTIVITIES AND INTERESTS

- Was one of the **Internship Coordinators** in the **Students Placement Office**, IIT Kanpur from Jul'18 to Nov'18
- Carnatic Vocalist, **Rubik's Cube** Enthusiast.
- Was in a team of 15 members representing my UG College in **BAJA 2016**, **fabricated an All Terrain Off Road 4 Wheeler**.