

# PRATIKSHA SAHARE

MTECH (Industrial & Management Engineering)

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## ACADEMIC DETAILS

YEAR	QUALIFICATION	EDUCATIONAL INSTITUTION	BOARD/ UNIVERSITY	PERCENTAGE
2017-19	M.Tech (IME)	Indian Institute of Technology, Kanpur	IIT Kanpur	7.52* (CPI)
2013-17	B.E (Power Engineering)	National Power Training Institute, Nagpur	RTMNU	8.59(CPI)
2013	Class XII	Santaji Mahavidyala	State Board	76.6
2011	Class X	Mount Carmel Girls' School	State Board	90.0

\*till 2<sup>nd</sup> semester

## ACADEMIC PROJECTS

Data Mining	<b>Prediction of total ride duration of taxi trips in New York City</b> The aim was to predict the ride duration of taxi trips from the given training dataset of 15 lakh examples and <b>applying the models</b> such as <b>Random Forest, XG Boost</b> on test dataset of <b>6 lakh</b> examples. Steps included <b>Data Preprocessing, Data Visualization and Model Building a Comparison of Models in R</b> and used several <b>packages</b> such as <b>ggplot2</b> etc. Data Collected from- <a href="https://www.kaggle.com/c/nyc-taxi-trip-duration/data">https://www.kaggle.com/c/nyc-taxi-trip-duration/data</a>
Statistical Modeling in Business Analytics (SMBA)	<b>Prediction of Admission in a University on basis of different Factors like CGPA, TOEFL Score, GRE Score etc using Linear Regression &amp; Multiple Regression Models.</b> First we plot the <b>Linear Regression models</b> with each of the Attributes with Chance of Admission & then made a correlation matrix, omitted those variables which had almost no effect on depended variable & made a <b>Multiple Regression</b> Model with highly <b>correlated variables</b> and picked a model which was a good fit and with high R <sup>2</sup> value.
SMBA	<b>Forecasting of Auto sales for next year using time series modeling.</b> Used ARIMA models for forecasting next year sales, checked stationarity and evaluated all the ARIMA models using Acf and Pacf and then selected the appropriate model for using further in R .

## CERTIFICATIONS & ONLINE COURSES

Certifications	<ul style="list-style-type: none"><li>• A GIAN Course in <b>Natural Language Processing</b>.</li><li>• <b>Certified Business Analytics Practitioner (CBAP) Course</b>.</li></ul>
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## COURSEWORK AND SKILLS

Relevant Courses	Probability and Statistics   Operations Research   Introduction to Computing(Java)   <b>Data Mining and Knowledge Discovery</b>   <b>Statistical Modelling for Business Analytics</b>   <b>Computer Aided Decision Systems</b>   <b>Human Resource Management</b>   E-Supply Chain Management   Performance Management   Organizational Staffing
Technical Skills	R   Python   Java   MS Office   HTML   PHP   <b>Machine Learning</b>   Database Management   Advanced Excel

## SUMMER INTERNSHIP

Data Analyst Intern	<b>Automated Email Extraction and Data Analysis using R and Python.</b> <b>Developed a Graphical user Interface(GUI)</b> for extracting orders from emails for ease of use, using <b>tkinter library in Python</b> . Forecasted orders for the company based on previous data using time series modeling in R. Extracted areas which are <b>highly profitable for company</b> using <b>NLP techniques</b> and also extracted <b>Out of Stock medicines</b> for all the cities using <b>NLP techniques with regex library in Python</b> .
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## ACADEMIC AWARDS AND ACHIEVEMENTS

- Delivered seminar on '**Boiler and its Auxiliaries**' of Koradi Thermal Power Plant and **received consolation prize**.
- Won 1st Prize in Presentation in the Inter-Collegiate Prastuti Competition.

## POSITIONS OF RESPONSIBILITY

- Core member of **Web Development Team** of IME Department , IIT Kanpur.
- Member of **Organizing Committee** of NPTI Vidyul 2016.