

Education Qualification

Year	Degree	Institute	CGPA/Percentage
2018 <i>(Expected)</i>	M.Tech (Industrial & Management Engineering)	IIT Kanpur	8.275*/10
2014	B.Tech (Mechanical Engineering)	MAIET Jaipur	74.32%
2009	Intermediate (CBSE)	B.N Public School Udaipur	70.2%
2007	Matriculation (CBSE)	B.N Public School Udaipur	77%

Professional Experiences

Intern at SARA SAE PRIVATE LIMITED, Dehradun (Uttarakhand)

May'17-July'17

- Developed "ERO Management System" to manage Enquiry, Raw Materials and Outsourced Processes.
- Developed Dynamic User Interface and centralized DBMS, which can be updated by staffs of the different departments.
- Developed Radical Sequence of data entry to avoid redundancy and missing data.
- Used Bootstrap for front end (user end) development.
- Used PHP with MySQL for back end (server end) development.

Intern at HINDUSTAN ZINC LIMITED, Udaipur (Rajasthan)

Jun'13-July'13

- Studied different mining methods, observed transverse sub-level stopping mining method at Balaria Mines.
- Submitted report on different energy efficiency programs at HZL, Zawar Mines.

Academic Projects

Predicting Full Load Electrical Power Output of a Base Load Power Plant

Jan'17-Feb'17

- Formulated various multiple linear regression models (**Linear-log, Log-linear, and Log-Log**) and chose the best amongst them using adjusted R-Square.
- Checked the dataset for **Multicollinearity** and **Heteroscedasticity**.
- Identified the statistical and economic significance of different independent variables on the dependent variable.

Predicting Students Admission Probability in the Graduate Schools

Mar'17-Apr'17

- Formulated **Logit** Regression model, and checked AIC values for measure of fitness.
- Performed **Wald test** to check significance of variables.
- Used factor of variable to avoid omitted variable trap.

Applied Supervised and Unsupervised learning on the European Soccer Database

Feb'17-Apr'17

- Applied preprocessing techniques to transform the raw data into an understandable format.
- Applied **Clustering analysis** to determine the class of the soccer player, i.e. Defender, Midfielder, Centre-back or Goalkeeper.
- Applied different machine learning algorithms (i.e. **SVM, Decision Tree, Random Forest**) to predict defender_line_class.
- Plotted ROC to examine the best fit model.

Conceptualization of Big Data Application for Agricultural Industry

Jan'17-Feb'17

- Proposed an app to help farmers in all the stages of farming i.e. Pre-Season, At Planting, Growing Season, and Post Season.
- The App includes Crop Recommendation, Rain Forecasting and Market Price Forecasting, intended to help the farmers in managing the entire farming cycle right from crop selection, seeding, manuring, harvesting and selling.

Conceptualization of an E-Commerce Project –bhowbhow.com (Your Pet, Our Care)

Mar'17-Apr'17

- Conceptualized a B2C company, which mainly deals with Dog Care i.e. providing solutions to all dog related problems at customer's doorstep.
- Proposed Budget and ROI for the project.
- Carried out SWOT analysis to check the feasibility of the project.
- Proposed different techniques for promotion and marketing of the project.

Position of Responsibilities

- Worked as a volunteer in "Prabandhan: An Annual Management Conclave" at IIT, Kanpur.
- Worked as a Departmental Internship Coordinator at IIT Kanpur.
- Part of Operation committee of TEQIP short term course on BIG DATA mentored by Dr. Veena Bansal at IIT Kanpur.
- Worked as an organiser in Inter College tech Fest "Aura'13" & "Aura'14" at MAIET, Jaipur.
- Worked as an organiser of national level automobile workshop organized by AUTO-NEXT in association with IIT Kharagpur & TATA MOTORS.

Extracurricular Activities and Achievements

- Presented a research paper on "Latest Advances in Welding in Aeronautic Industry" at National Conference conducted by Institution of Engineers.
- Completed R Programming course certified by Udemy.

Coursework and Skills

Relevant Courses	Data Mining and Knowledge Discovery Statistical Modeling for Business Analytics Probability & Statistics Introduction to Computing Big Data for Management Introduction to e-commerce Operations Research for Management Design of Production System Business Process Modeling Business Process Patterns
Technical Skills	R C SQL