

# PRATIK SHAHA

M.Tech | Industrial and Management Engineering | IIT Kanpur

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EDUCATION			
YEAR	QUALIFICATION	EDUCATIONAL INSTITUTION	PERCENTAGE
2022 - Present	M.Tech   Industrial & Management Engineering	Indian Institute of Technology, Kanpur	-
2014-17	B.E.   Mechanical Engineering	AISSMS' COE, Pune	68.96%
2011-2014	Diploma (Mechanical Engg.)	BSP's JSPM, Wagholi, Pune	86.57%
2011	Secondary Education	SCT's Anand gurukul, English medium School, Pune	85.82%

SELF PROJECTS
<b>Sales prediction by different advertising platforms</b> <ul style="list-style-type: none"><li>Data consisting of sales of the product in <b>200</b> different markets with advertising budget in three media – TV, radio and newspaper</li><li>Steps include <b>Exploratory Data Analysis</b>, dealing with <b>missing values</b>, <b>Data visualization</b> and <b>Outliers Treatment</b></li><li>Scaled the <b>Numerical variables</b> using the <b>Min-Max Scaler</b> Operation</li><li>checked for <b>multicollinearity</b> using <b>variance inflation factor (VIF)</b>, also looked for <b>omitted variable bias</b></li><li>Feature elimination is done based on the <b>p-value</b> and <b>VIF</b> and used <b>Adjusted R squared</b> as the performance metrics for the model</li><li>Checked the <b>distribution of the Residual errors on the train dataset</b> using the fitted model</li></ul>
<b>Prediction of house selling</b> <ul style="list-style-type: none"><li><b>Performed variable identification, Univariate analysis, Bivariate analysis, Outlier treatment, Missing value treatment, Feature Engineering</b></li><li>Used machine learning algorithm i.e., <b>Logistic Regression, K – Nearest Neighbour</b> to predict whether the house got sold or not on the basis of the data available and to obtain and compare the accuracy score for the test data</li></ul>

WORK EXPERIENCE (5 Years)
<b>Senior Design Engineer @ Forvia (then Faurecia)</b> (Jul'20 - Jul'22) <ul style="list-style-type: none"><li>All the key duties of Design Engineer</li><li><b>Managed and led cross functional métiers</b> for the product development</li><li><b>Resource management, planning and leadership</b> displayed by <b>leading team of 3 to 5 people</b> at times</li><li>Collaborated <b>with customers</b> to initiate and <b>lead discussion</b> over <b>product and process development</b></li></ul>
<b>Design Engineer @ Forvia (then Faurecia)</b> (Jun'18 - Jul'20) <ul style="list-style-type: none"><li>Complete seat <b>product design and development</b> considering <b>customer specific requirements</b> and Seat architecture design guidelines</li><li>Complete seat <b>Product Lifecycle Management and Data Management in ENOVIA/TIGER</b></li><li><b>Coordinated with Teamcenter activities for data management.</b> Prepared and maintained <b>Nissan customer specific documents and studies</b></li><li><b>Managed to deliver vehicle regulatory(ECE) and safety related studies to validate the product</b></li></ul>
<b>Graduate Engineer Trainee @ Forvia (then Faurecia)</b> (Jun'17 - Jun'18) <ul style="list-style-type: none"><li>Undergone all the personality development and technical trainings with due attention.</li></ul>

COURSEWORK AND SKILLS	
<b>Relevant Courses*</b>	Data Mining and Knowledge Discovery   Probability & Statistics   Operations Research for Management   Introduction to Computing
<b>Online Courses</b>	<ul style="list-style-type: none"><li><b>Operations and supply chain management</b> certified by Udemy.</li><li><b>Data Manipulation in Python:</b> Master Python, Numpy and Pandas certified by Udemy.</li><li><b>SQL for Data Analytics.</b></li></ul>
<b>Technical Skills</b>	SQL*   Python*   Power BI*   Java*   MS Excel   MS PowerPoint

ACHIEVEMENTS & EXTRA CURRICULAR
<ul style="list-style-type: none"><li>Secured <b>98.96 percentile</b> in <b>GATE-22 Mechanical Engineering paper.</b></li><li>Successfully participated and completed high altitude trek organized by <b>BIKAT ADVENTURES.</b><ul style="list-style-type: none"><li><b>ROOPKUND &amp; JUNARGALI (15900ft. , Uttarakhand , June 2017)</b></li></ul></li><li>Successfully participated and completed high altitude national Himalayan trekking expedition held by <b>YHAI (Youth Hostels Association of India)</b><ul style="list-style-type: none"><li><b>SAR PASS (13400 ft. , Himachal Pradesh, May 2016)</b></li></ul></li></ul>

POSITION OF RESPONSIBILITIES
<ul style="list-style-type: none"><li><b>Junior Placement Coordinator, IIT Kanpur</b> (Aug' 22 to present)<ul style="list-style-type: none"><li>Coordinating in a team of 4 members for summer internship opportunities of IME-M.Tech batch.</li></ul></li></ul>