

# RAHUL SINGH

M.Tech | Department of Management Science | IIT Kanpur

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## EDUCATION

YEAR	QUALIFICATION	EDUCATIONAL INSTITUTION	CGPA/PERCENTAGE
2023-Present	M.tech   Department of Management Science	Indian Institute of Technology Kanpur	-
2017-21	B.Tech   Mechanical Engineering	Dr. B R Ambedkar National Institute of Technology, Jalandhar	7.31 CGPA
2016	Higher Secondary Education   CBSE	Ryan International School, Amritsar, Punjab	89.8%
2014	Secondary Education   CBSE	Delhi Public School, Bareilly, UP	10 CGPA

## PROJECTS

SELF Projects	<b>1. Chess Analytics and Win/Loss Prediction</b> <ul style="list-style-type: none"><li>Performed exploratory analysis on a substantial chess games with 16 variables and <math>\approx</math> 20k dataset sourced from <b>Lichess</b>.</li><li>Used <b>data visualization</b> techniques to uncover prevalent opening strategies, and trends in game outcomes.</li><li>Implemented classification algorithms such as <b>logistic regression</b> and <b>decision trees</b>, and implemented <b>cross-validation</b> to optimize model performance hence developing a robust win probability prediction tool using <b>scikit-learn</b>.</li><li><b>Project Link:</b> <a href="https://github.com/rah-ul-singh/Chess_Model">https://github.com/rah-ul-singh/Chess_Model</a></li></ul>
	<b>2. Hotel Booking Cancellation Prediction</b> <ul style="list-style-type: none"><li>Performed exploratory analysis on a dataset of over <math>\approx</math>120k records with 32 features.</li><li>Employed <b>data preprocessing</b> techniques to handle <b>missing data</b> and ensure data quality</li><li>Implemented advanced classification algorithms such as <b>Random Forest</b> and <b>XGBoost</b> to predict hotel booking cancellations with <b>88%</b> accuracy</li><li><b>Project Link:</b> <a href="https://github.com/rah-ul-singh/Hotel_booking">https://github.com/rah-ul-singh/Hotel_booking</a></li></ul>

## COURSEWORK AND SKILLS

<b>Relevant Courses (Ongoing)</b>	Statistical Modelling For Business Analytics   Probability & Statistics   Operations Research for Management   Introduction to Computing
<b>Certified Online Courses</b>	<ul style="list-style-type: none"><li>Programming for everybody (Python) – Coursera</li><li>MySQL for Beginners – Udemy</li><li>Excel Skills for Business -Essentials – Udemy</li></ul>
<b>Technical Skills</b>	SQL*   Python  Power BI*   MS Excel   Java*

## POSITION OF RESPONSIBILITIES

<b>Class Representative, IIT Kanpur</b> <ul style="list-style-type: none"><li>Represents the batch in official/unofficial matters. Coordinate with DPGC and department office for all academic work if needed.</li></ul>	(Aug'23- Present)
<b>Content Head, SOME NIT Jalandhar</b> <ul style="list-style-type: none"><li>Led a team of 10+ members which was responsible for creating content for team's social media handles, creating and curating content for departmental Magazine (called Mechazine) and requesting department's permissions for team's activities.</li></ul>	(Apr'20-May'21)
<b>Organizing Team, Suspension OFF-Drive NIT Jalandhar</b> <ul style="list-style-type: none"><li>Managed and conducted RC CAR event involving 15+ participants in the technical fest of college i.e.TechNiti'19.</li></ul>	(Oct'19-Nov'19)

## ACHIEVEMENTS and EXTRA-CURRICULARS

<ul style="list-style-type: none"><li>Secured <b>510 rank</b> in GATE 2023 Mechanical Engineering Paper.</li><li>Secured <b>54 rank</b> in GATE 2023 Engineering Science Paper.</li><li>Was first Runner Up for <b>Sahoday Inter School Badminton Championship, 2014</b></li></ul>
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LinkedIn Profile Link - [www.linkedin.com/in/rahul-99-singh](https://www.linkedin.com/in/rahul-99-singh)

GitHub Profile Link- <https://github.com/rah-ul-singh>

\*Present / Under Progress