

Jugaad Singh Sohal

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Profile

Masters in Data Science student at Chennai Mathematical Institute with a strong mathematical background and an interest in machine learning, seeking to apply mathematical skills to real-world challenges.

Skills

- **Python** - SciPy, NumPy, BeautifulSoup, Selenium
 - **Data Science** - pandas, scikit-learn, matplotlib
 - **Tools** - Tableau, SQL
 - **Statistics** - Stochastic Processes, Inferential Statistics, Hypothesis Testing
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Experience

Business Analyst

Jan 2023 - May 2024

Global Network Advertising and Marketing, Chandigarh

- Implemented Tableau dashboards to track and analyze lead conversion rates, achieving a 15% improvement in lead-to-customer conversion.
 - Collaborated with the data analytics team to develop customized Python algorithms, resulting in a 9% increase in client information extraction accuracy.
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Education

Master of Science, Data Science

Chennai Mathematical Institute

Aug 2024 - Present

Chennai

Bachelor of Mathematics (Hons)

Indian Statistical Institute

Aug 2018 - July 2021

Bangalore

Projects

Credit Card Fraud Detection

- Fine-tuned classifiers and balanced the dataset to address the heavily imbalanced dataset (0.17% fraudulent transactions).
- Evaluated models with metrics beyond accuracy (AUC, precision, recall, F1-score) to effectively distinguish fraudulent transactions.

House Price Predictor

- Analysed a real-world housing dataset to extract valuable insights and patterns.
 - Conducted feature selection to determine the key factors that significantly influence housing prices and employed linear regression.
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Achievements

Regional Maths Olympiad - Rank 22 | B.Math Entrance - Rank 11 | ISI M.Stat Entrance - Rank 40