



ROHAN KHANDELWAL

Data Scientist

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EDUCATION

BS Data Science and Applications
IIT Madras
2020 - present
GPA - 8.4

SKILLS

Machine Learning
Deep Learning
Data Visualization
Web Development
Statistics
AI

LANGUAGES

Python
Java

TOOLS

Scikit-learn
Keras
PyTorch
TensorFlow
Pandas

DEVELOPMENT

HTML
CSS
Bootstrap
Javascript
Flask
ReactJs
VueJs

INTERNSHIP EXPERIENCE

Research Intern June 23 - Present
IIT Madras | Chennai

Implemented a **deep learning model** to predict the end-term scores of 25,000 students based on their quiz 1 performance. Leveraged the power of **neural networks** to create an accurate regression model that could foresee students' performance trends.

Data Science Intern Feb 23 - May 23
NPTEL | Chennai

Developed a robust **machine learning model** to accurately predict city-wise and state-wise registration counts for a cohort of **500,000** NPTEL students based on their enrollment numbers. Achieved a remarkable **accuracy of 81%** through meticulous data preprocessing, advanced modeling techniques, and effective feature engineering

Teaching Assistant Oct 23 - Jan 23
IIT Madras | Chennai

Fulfilled the role of Teaching Assistant for a prominent **statistics course** at IIT Madras, providing comprehensive academic support to a cohort of **1500 students**. Led live sessions, offered guidance on complex statistical problems, and facilitated interactive tutorial sessions to enhance student comprehension of course materials.

PROJECTS

Bloglite - Personal blog creating website

- Used **HTML**, **CSS**, **VueJS** to create the front-end for this single page web application. Used Flask web framework for designing the backend.
- Used **SQlite3** as the backend database.
- Made use of various utilities like **Celery**, **Redis** to make the application faster and easily scalable for multiple users.
- Implemented **cronjobs** to send the user monthly reports in their email

Students Enrolment Status Prediction - Kaggle (Academic Project)

- I analysed the data given by students at the time of their admission about their past performance history and their performance in first 2 semesters
- Trained various **machine learning models** and predicted their respective classes out of dropout, enrolled, graduated with an **accuracy of 76%**.
- Ended up getting **29th** position out of **209 participants**.