ROHAN KHANDELWAL

Data Scientist

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https://rrohnyy02.github.io/portfolio/

EDUCATION

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

SKILLS

Machine Learning
Deep Learning
Data Visualization
Web Development
Statistics
AI
Reinforcement Learning

LANGUAGES

Python
Java

TOOLS

Scikit-learn
Keras
PyTorch
TensorFlow
Pandas

DEVELOPMENT

HTML
CSS
Bootstrap
Javascript
Flask
ReactJs
VueJs

INTERNSHIP EXPERIENCE

Web dev Intern — Oct 23 -Dec 23

Encora

Working for a web development project which will give real time feedbacks to students python code using OpenAI services and help them to improve code quality

Research Intern — June 23 -Sept 23

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 (Best project award)

- 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.