

Rachait Talwar

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SKILLS

- **Languages:** Python (Primary language for ML: NumPy, Pandas)
- **Frameworks:** HTML and CSS
- **Tools/Platforms:** MongoDB and AWS(EC2)
- **Soft Skills:** Problem-Solving and Project Management

PROJECTS

- **Identification of Indian Languages:** November 2024
 - Developed a machine learning model to identify and classify Indian languages from text data using a combination of classical and deep learning techniques.
 - Utilized **Python, Scikit-Learn, TensorFlow**, and **NumPy** for model development and implementation.
 - Enhanced identification of underrepresented Indian languages, making NLP more inclusive.
 - Tech Used: Python and ML and Predictive Analysis along with CNN, LSTM and HMM
- **Placement Prediction Analysis:** April 2024
 - Developed a machine learning model to analyse and predict student placements based on academic performance, skills, and other relevant factors.
 - Collected and pre-processed student placement data, handling missing values and feature engineering.
 - Developed using **Python**, with implementations in **Scikit-Learn, Pandas, NumPy, and Matplotlib**.
 - Tech Used: Python and ML and Predictive Analysis.

CERTIFICATES

- Complete IBM Python for Data Science, AI & Development by Coursera April 2025
- Complete IBM Devops and Software Engineering Professional by Coursera December 2024
- Complete Cloud Computing by NPTEL October 2024
- Complete Data Structures and Algorithms - Self Paced by GFG. August 2024
- Complete Full-Stack Web Developer by LinkedIn February 2023

ACHIEVEMENTS

- **Published research paper in an international conference:**
Selected to present the research paper “**Identification of Indian Languages using Naive Bayes, CNN, LSTM, and HMM**” at the **Hinweis International Conference**, showcasing advanced NLP techniques for language identification and processing.

EDUCATION

- **Lovely Professional University** Phagwara, Punjab
Bachelor of Technology - Computer Science and Engineering; CGPA: 5.13 Since 2022- Present
- **GD Goenka Public School** Gurgaon, Haryana
Intermediate; **Percentage: 70 %** April 2021 – July 2022
- **Ryan International School** Gurgaon, Haryana
Matriculation; Percentage: 80 % April 2016 - March 2020