MRIDUL NARULA

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SUMMARY

Computer Science undergraduate with a specialization in AI/ML. Skilled in full-stack development using Django and React. Passionate about building efficient, scalable systems that solve complex real-world problems using innovative tech.

EDUCATION

Chandigarh Group of Colleges College of Engineering,	2022 - 2026
Bachelors of Technology in Computer Science (AI&ML) — CGPA: 7.8/10	*Landran, Punjab*
**XII Non-med, (CBSE)	S.D. Public School, Jagadhri**	**91%|2021-2022**
**X (CBSE)	S.D. Public School, Jagadhri**	**86.83%|2019-2020**

SKILLS

Technical: Python, C++, JavaScript, SQL
Frameworks & Tools: Django, ReactJS, NumPy, Pandas, Matplotlib, Scikit-learn, Tensorflow/Keras, Scrapy
Machine learning: EDA, Feature Engineering, Supervised and Unsupervised Learning, Regression Analysis, ANN
Other: DSA (in C++), Git, Linux, REST APIs, JWT, Web Scraping
Soft Skills: Team Leadership, Team Collaboration, Adaptability, Effective Communication, Critical Thinking

PROJECTS

Ani-verse: Anime Recommendation System | GitHub   10/24 – 01/25
Tech Stack: React, Django REST Framework, PostgreSQL, FAISS, NLTK, SCRAPY
- Generated semantic embeddings via **BERT** and indexed with **FAISS** for fast similarity search.
- Integrated LinUCB for dynamic **personalized recommendations** based on real-time user interaction.

ProLearn: AI-Powered Learning Platform | GitHub   1/25 – 4/25
Tech Stack: React, Django, Django REST Framework, HuggingFace LLMs
- Developed an AI-driven platform using ReactJS and Django for **personalized content** and adaptive study plans.
- Integrated machine learning algorithms to provide real-time recommendations and **interactive AI chatbot** support.

Amaze: Dynamic Web Scraping Tool | GitHub   07/24 – 08/24
Tech Stack: Scrapy, Selenium WebDriver (ChromeDriver), ScrapeOps.
- Developed a web scraping tool using **Selenium and Scrapy** to handle dynamic content loading (lazy loading).
- Utilized **ScrapeOps** middleware for fake headers to bypass request restrictions and enhance scraping efficiency.

EXPERIENCE

Python Development Trainee	*(Certificate)*
Chandigarh Group of Colleges, Landran – SkillStone Summer Training	*May 2024 – June 2024*

- Worked on projects and assignments focused on core Python concepts like OOP, file handling, functions, and scripting.
- Developed MyUtility-App, a Django-based productivity suite integrating a to-do list, notes, calculator, and weather app.

CERTIFICATIONS

- INI Machine learning using python   (*certificate link*)
- NPTEL Database Management System   (*certificate link*)
- AWS Academy Cloud Operations   (*certificate link*)

ACHIEVEMENTS

- **Won 1st Prize** in AI Vision Quest in Eminence 2k25.
- **Participated in Smart India Hackathon 2024**; Proposed a solution to bi-directional sign language translation.