



Aditya Nain

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EDUCATIONAL BACKGROUND

COURSE	INSTITUTE	CPI/CGPA/ %	Year
B. Tech in Mathematics and Computing Intermediate	Rajiv Gandhi Institute of Petroleum Technology	7/10* *Up to 4 th Semester	2021-2025
Intermediate	SGS DAV Centenary Public School, Hanumangarh	80.2%	2020
Matriculation	Little Flower Convent School, Hanumangarh	87.8%	2018

PROJECT

→ NMT-Chabot:

- Developed NMT-Chatbot(Seq2Seq), boosting translation accuracy by 15%
- Designed custom BPE/WPM tokenizer, enhancing tokenization precision by 20% for clearer, contextually relevant interactions.
- Enabled efficient multi-language sentence translations, achieving a 30% reduction in translation time compared to traditional methods.
- Implemented TensorFlow (1.4) compatibility and bug fixes, resulting in a 20% reduction in system crashes and enhancing stability.

→ "Cinegenre Insight":

- made a movie genre prediction using Transformers model with MSE(Mean Squared Loss) value at 0.4.
- implemented various NLP techniques to reduce training time and maintain accuracy.
- Fine-tuned the Transformer model's hyperparameters and architecture, achieving a 20% increase in prediction accuracy compared to baseline models

ACHIEVEMENTS

- Secured a position among top 10% candidates out of 0.25 million students in JEE Advanced 2021
- Booked a place among top 3% candidates out of 1.1 million students in JEE Mains 2021
- Achieved 4th position at National Level Robotics Competition held at IIT Guwahati (Techniche 2022)

POSITION OF RESPONSIBILITY

- Kode Club Head | Science and Technical Council, RGIPT Present

TECHNICAL SKILLS

- Python Libraries: TensorFlow, Pytorch, NLTK, Numpy, Pandas, Scikit-learn
- Database: SQLite, MongoDB, MySQL
- Version Control: Git/Github

EXTRACURRICULAR ACTIVITIES AND HOBBIES

- Competed in various Esports tournaments of Valorant
- Participated and won national level karate competitions.