

JOT SINGH BINDRA

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Education

Indian Institute of Information Technology(Allahabad,Uttar Pradesh), India <ul style="list-style-type: none">● Electronics and Commuincation Engineering CGPA: 7.52	2022 - 2026 (expected)
Guru Teg Bahadur Senior Secondary School(Malout,Punjab), India <ul style="list-style-type: none">● CBSE (Class XII), Aggregate:94.6%	2020 - 2022
Sacred Heart Convent School,(Malout,Punjab), India <ul style="list-style-type: none">● ICSE (Class X), CGPA:96.2%	2018 - 2019

Skills

C++ | C | Python | Machine Learning | DeepLearning | AWS | Heroku | MongoDB | Flask | Solidity | MySQL | Git

Open-Source Experience

Optuna

- Added **future-annotations** to callback and terminator files,enhancing codebase maintainability
- Integrated '**CachedStorage**' class into '**RDBStorage**' class,optimizing data retrieval and reducing database access frequency

Linux-101

- Improved '**ls**','**lsif**','**ping**' files from the existing chapters of the Linux-101 Repository

Projects

Off-DocGpt

(Offline LLM based ML model to summarize texts)

- Developed an **offline Large Language Model(LLM)** using **Platypus2** and **Pegasus** as base models for text summarization
- Enhanced accuracy by **ensembling** the models through weighted average method.
- Implemented **Semi-Supervised Learning** to store results for **future fine-tuning** and improvement

CP-Enhancer

(Provides User with the set of questions to improve his CP rating on Codeforces)

- Leveraged **CodeForces-API** for data collection
- Employed **ensemble Modelling** in a pipelined approach to elevate CP performance

Emotion-Analyzer

- Employed Term Frequency-Inverse Document Frequency(**TF-IDF**)vectorization to process and prepare the dialogues for analysis
- **Fine-tuned** model parameters for optimal performance and accuracy
- Utilized a **bagging model** to enhance the predictive capabilities of the Emotion-Analyzer

Academic and Extracurricular Achievements

- Achieved '**HacktoberFest 2023**' Completion
- Secured 3rd Place in IIITA-ML-Kaggle-Contest
- Finalists in '**Ex-Machina**' Machine Learning Contest during TechFest Aparoksha(2022)
- Succesfully Cleared **NSEC**(2022)
- Accomplished **ISI-UGA** Qualification
- Attained **JEE Mains 2022** Score in 99.01%ile with an All India Rank of 9730.
- Attained **JEE Advanced 2022** All India Rank of 9013.

Positions of Responsibility

GeekHaven|Technical Society of IIITA | AI/ML Wing Member

Aug'23 -Present