

Hritij Rana

hritijrana07@gmail.com . (+91) 9122346494

[github](#) . [leetcode](#) . [codechef](#) . [codeforces](#)

(linkedin: <https://www.linkedin.com/in/hritijrana/>)

EDUCATION

Netaji Subhas University of Technology (NSIT), New Delhi

May 2024

Bachelor of Technology in Computer Science Engineering

Holy Cross Sr. Sec. School, New Delhi | CBSE

July 2020

Higher Secondary Certificate (HSC) in Physics, Chemistry, Math

Saint Clare's School | ICSE

May 2018

Secondary School

Relevant Courses: Data Structures and Algorithms, Foundations of Programming, Algorithms & Analysis, Machine Learning, Operating Systems, Computer Networks, Database Management System, Object Oriented Programming,

SUMMARY

Motivated final year student at Netaji Subhas University of Technology (NSIT) Delhi, pursuing Bachelor of Technology in Computer Science with applied Mathematics. Proficient in Python programming with strong foundation in Data Structure and Algorithms with distinguished record of success in competitive coding. Hands-on experience in developing applications using Flutter. Recently developed keen interest in Machine Learning and Natural Language Processing. Adept at quickly grasping new concepts and technologies. Seeking opportunities to apply academic knowledge and technical skills in industry.

SKILLS

Programming Languages: Python, Dart, SQL.

Technical skills: Flutter, HTML/CSS, Git, Named entity recognition.

Soft skills: Leadership, Teamwork, fluent in English and Hindi.

PROJECTS

AutoTag: Named Entity Recognition for Vehicle data

Problem Statement: In the automotive industry, service records and maintenance logs often contain unstructured text describing vehicle issues, parts involved, and corrective actions taken. Manually extracting and categorizing relevant information from these textual descriptions is a time-consuming and error-prone process. There is a need for an automated system that can accurately recognize and classify automotive-related entities from unstructured text data. This would streamline the process of analyzing service records, enabling efficient data analysis and informed decision-making.

Solution:

- Successfully adapted the pre-trained model to recognize and classify automotive-related entities.
- Created a custom dataset with annotated examples of vehicle parts, failure issue and corrective actions.
- Implemented and fine-tuned “en_core_web_lg” large English model using Spacy's training pipeline, achieving improved accuracy and precision for the targeted entities.
- NER-precision: .92

Tech stack used: Python, SpaCy, Huggingface

Meals Recipe Application

- Developed a robust Flutter-based recipe application featuring multiple screens and user-friendly interface
- Utilized Provider for state management and UI updates across screens
- Used Yummly API (RapidAPI) to fetch recipe details and Firebase as database to store user recipes

Tech stack used: Flutter, Dart, IDE

AWARDS AND ACHIEVEMENTS

- Participated in 50+ Coding competitions on all renowned platforms like [Leetcode](#), [Codechef](#), [Codeforces](#).
- Secured **Global rank under 50 out of 30,000** competitive coders globally on Codechef.
- Solved **500+ Data Structure** problems of all difficulties.
- Secured **98.5 percentile** in JEE Mains 2020 with **99.7 percentile** in Physics.

EXTRA-CURRICULAR ACTIVITIES

- **Head of Security** at ‘MOKSHA’23’, Cultural festival of NSUT. Managed 20 security personnel to ensure smooth operation of the festival, attended by 5,000+ students.