

VINAYAK KANCHAN

+91-8078690336 • vinayakkanchan03@gmail.com • [Linkedin](#) • [Github](#) • [Leetcode](#) • [Codechef](#)

EDUCATION

Btech, Computer Science hons with specialization in AI ML 2021 - 2025
Manipal University Jaipur 8.66 CGPA

XII CBSE Boards 2020 - 2021
All Saints Sr. Sec. School, Ajmer 89%

X CBSE Boards 2018 - 2019
All Saints Sr. Sec. School, Ajmer 90%

PROJECTS

IPC Prediction Jan 2024 - Apr 2024

- Developed an innovative IPC (Indian Penal Code) prediction system in Python using libraries such as NumPy, Pandas, NLTK, and scikit-learn.
- Integrated LabelEncoder and TF-IDF Vectorizer for natural language processing to analyze and interpret linguistic patterns in crime descriptions.
- Designed the model to assign unique labels to IPC sections by vectorizing crime conditions and mapping them to applicable sections.
- Utilized **Naive Bayes** and **Random Forest classifiers**, achieving an accuracy of **88.28%** on training data.

Fake-News-Prediction-NLP-Machine-Learning Dec 2023

- Developed a robust Fake News Detection system in Python using libraries such as NumPy, Pandas, NLTK, and scikit-learn.
- Implemented natural language processing (NLP) techniques with NLTK to analyze and interpret linguistic patterns in textual data.
- Designed the model to classify news articles, assigning labels of **1** for fake news and **0** for real news.
- Utilized Logistic Regression for training, achieving an accuracy of **99.24%** on training data and **98.15%** on testing data.

Car-Price-prediction-using-Machine-Learning Nov 2023

- Built a Car Price Prediction system in Python using libraries like NumPy, Pandas, Matplotlib, and scikit-learn.
- Enabled users to predict car prices based on specifications such as model year, selling price, kilometers driven, fuel type, etc.
- Employed **Linear Regression** and **Lasso Regression** models, achieving testing accuracies of **83.65%** and **87.09%**, respectively.

ACHIEVEMENTS

- Successfully published a [patent](#) for an innovative Indian Penal Code (IPC) Prediction Model that leverages machine learning techniques to interpret crime descriptions and map them to applicable IPC sections.
- Highest Leetcode rating - **1252**
- Solved **150+** questions on Leetcode and **185+** on Coding Ninjas platform.
- 1 star** coder on CodeChef with a rating of **1243**

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, HTML, CSS, Python(numpy, pandas, matplotlib, sklearn, NLTK, FastAPI)

Databases: MYSQL

Cloud: Microsoft Azure (Azure app service, function app and Azure API management)

Soft Skills: Team management, team work, time management, confident.

POSITION OF RESPONSIBILITY

President, Turing Sapiens 2023-2024

- Successfully managed and guided a team of 60+ members, including 1st and 2nd-year students, fostering collaboration and effective teamwork.
- Organized over 10 events throughout the year, encompassing both technical and non-technical domains, delivered in online and offline formats.

Head of Logistics, Turing Sapiens 2022-2023

- Coordinated on-ground requirements before and after events, ensuring seamless execution and post-event management.
- Secured all necessary permissions and approvals for the successful organization of events, maintaining compliance and smooth operations.