

Chinta Krishna Mourya

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EDUCATION

IIT KHARAGPUR

BTECH IN OCEAN ENGINEERING

MAY 2021 | West Bengal

CGPA: 6.59 / 10

BIIT JR. COLLEGE

INTERMEDIATE-MPC

March 2017 | Andhra Pradesh

Percentage : 98.2

BHASHYAM HIGH SCHOOL

April 2015 | Andhra Pradesh

GPA : 9.8

LINKS

•LinkedIn:

<https://www.linkedin.com/in/chinta-krishna-mourya-949aab178/>

•GitHub:

<https://github.com/ChintaKrishnaMourya>

SKILLS

•Machine Learning •Natural Language Processing •Python •Neural Network
•Statistical Modeling •SQL •Flask
•Predictive Modeling •Statistics •Data Wrangling •Data Visualization •GIT
•Prompt Engineering •LangChain

CERTIFICATIONS

Udemy - Machine Learning A-Z Python in Data Science (link)

iNeuron - Full Stack Data Science Bootcamp (link)

LANGUAGES

• English (Fluent)
• Telugu (Native)
• Hindi (Beginner)

EXTRACURRICULAR

ACTIVITIES

• Stood **1st** in Quiz conducted by SBI YONO in Kolkata in 2018. • **Volunteered** in multiple social service programs organized by "AACHARANA Charitable trust". • **Organized** and conducted a **town-level** competitive exam for **200** 10th class students. • Participated in various activities as an **NSS candidate** during college.

EXPERIENCE

ONFOCUS SOFT PVT. LTD. | NLP ENGINEER

Apr 2023 – Present

- Developed key functionalities for "PropGPT," a real estate assistant chatbot, utilizing **OpenAI LLM**, **Langchain**, **PineCone Vector Database**, and **embeddings** for efficient property information retrieval and effective user query responses.
- Integrated LLM to enhance the chatbot's capabilities, enabling accurate understanding and comprehensive responses.
- Developing **resume parser** for a recruiting product using OpenAI LLM, NLP techniques for accurate extraction of relevant details, **resume scoring system** w.r.t. job descriptions **resume summary** generation.

INEURON.AI | DATA SCIENCE INTERN (LINK)

Jan 2023 – Apr 2023

- Developed end-to-end **credit card default prediction model** (project link) using Python and ML tools.
- Conducted EDA, data preprocessing, and model selection with optimized Python code and logging. Out of "SVM", "LogisticRegression", "DecisionTree", "RandomForest", "Naive Baye" classifiers "Random Forest" performed better with **F1 score 0.86**.
- Designed project architecture and built **Flask web app**, deployed on **AWS EC2** for user access.

PROJECTS

FLAT RESALE PRICE PREDICTION (link) Nov 2022 – Nov 2022

- Performed feature engineering statistical analysis, including **chi-square** tests utilized heatmaps to identify correlations among features.
- Trained four regression models - **Random Forest Regressor**, **XGBoost Regressor**, **Decision Tree Regressor** and **Neural Network** - and compared their performance.
- **Random Forest Regressor** model outperformed the others with **R2 score 0.96** and used it to predict flat resale prices.

CRACK DEPTH PREDICTION OF ABAQUS MODEL (link) Aug 2020 – Dec 2020

- Analyzed cracks of varying depths in **Abaqus software** and extracted corresponding strain values. created a comprehensive dataset with crack depth as the target variable and strain values from four sensors as the independent variables.
- Trained **Random Forest Regression** and **Linear Regression** algorithms to predict crack depth and obtained an impressive **RMSE of 0.0007** by **Random Forest Regressor**.

MALL CUSTOMERS SEGMENTATION (link) Dec 2022 – Dec 2022

- Conducted EDA Performed customer segmentation using **KMeans clustering** algorithm. Used **WCSS**, **kneed library**, **Gap Statistic**, **DBSCAN** to determine the optimal number of clusters.
- Plotted the clusters using **Annual income vs Spending score- silhouette score - 0.55** and **Income vs Age vs Spending score - silhouette score - 0.45**.