RUCHITA

Faridabad, Haryana

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Education

NIT Kurukshetra <div align="right">**Dec. 2021 – Present**</div>
Bachelor of Technology in Electrical Engineering

Modern Vidya Niketan <div align="right">**April 2020 – March 2021**</div>
Class XII (Non-Medical) <div align="right">*92.6*</div>

Skills

Language: Python, Data Structures and Algorithm, Object Oriented Programming
Libraries: OpenCV, BeautifulSoup, Flask
Machine Learning & AI : Pandas, Numpy, Matplotlib, Scikit-learn, Tensorflow, HuggingFace, Langchain
Clouds & Databases: Firebase, MySQL, AWS
Soft-Skills: Communication, Teamwork, Presentation, Analytics

Projects

SummarEase | *Python, Google Gemini, Streamlit, Langchain* <div align="right">**June 2024**</div>

- Developed "SummarEase," a **Streamlit-based website** that efficiently **summarizes YouTube videos, blogs, and PDFs** using **Google Gemini** for advanced text summarization.
- Created and labeled a custom dataset using CVAT for precise training data, and generated approximately **6000 images** using data augmentation techniques to enhance dataset diversity.
- **Link:** https://github.com/Ruchita019/SummarEase

Price Prediction Model | *Scikit-Learn, Pandas, Flask, HTML* <div align="right">**March 2024**</div>

- Developed a price predicting model focused on forecasting house prices in Bangalore, trained on **13k+ data points**, utilizing Linear Regression, Ridge Regression and Lasso Regression models to achieve a **0.82 accuracy rate**.
- Applied Pandas for feature engineering, Scikit-learn for model training, Flask for backend implementation, and HTML for interface design.
- **Link:** https://github.com/Ruchita019/Price$_{Prediction_M}$odel

Sales Analysis | *Pandas, MySQL, Matplotlib* <div align="right">**June 2023**</div>

- Conducted a sales analysis project using Pandas and MySQL, extracting, cleaning, and analyzing data to reveal key insights.
- Crafted compelling data visualizations with Matplotlib, enhancing data interpretation and decision-making for the company.
- **Link:** https://github.com/Ruchita019/Sales Analysis

Achievement

- Selected for **Amazon ML Summer School 2024** among **85k+ students** participating
- Secured **All India Rank - 1331** in GATE 2024 Data Science and Artificial Intelligence
- Qualified for **Regional round** among **150+ teams** in Smart India Hackathon.

Certifications

- ∗ **Intro to Data Science(Udemy)** Provides an overview of the libraries like pandas, numpy, matplotlib and visualization tools like Tableau
- ∗ **Learning Python for Data Analysis and Visualization(Udemy)** Learned various concept like Statistics, Exploratory Data Analysis, Data Visualisation and Machine Learning Algorithms

Voulenteering Experience

- · Member of '**Managing and Directive Club**' and contributed as part of **Event Management team and Content team** in organizing various events, including the college's cultural fest 'CONFLUENCE'.
- · Part of **LSD Dance Crew**, Represented our crew at various colleges (IISER Mohali, IIT Ropar, Shiv Nadar University) and performed at various events at college.