

# RUCHITA

Faridabad, Haryana

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## Education

### NIT Kurukshetra

Dec. 2021 – Present

*Bachelor of Technology in Electrical Engineering*

### Modern Vidya Niketan

April 2020 – March 2021

*Class XII (Non-Medical)*

92.6

## Skills

**Language:** Python, ReactJs, TailwindCSS, Data Structures and Algorithm, Object Oriented Programming

**Libraries:** OpenCV, BeautifulSoup, Flask, Streamlit

**Machine Learning & AI :** Pandas, Numpy, Matplotlib, Scikit-learn, Tensorflow, HuggingFace, Langchain

**Clouds & Databases:** Firebase, MySQL

**Soft-Skills:** Communication, Teamwork, Presentation, Analytics

## Projects

### SummarEase | Python, Google Gemini, Streamlit, Langchain, BeautifulSoup

June 2024

- Developed "SummarEase," a **Streamlit-based web app** that efficiently summarizes **YouTube videos, blogs, and multiple PDFs** using **Google Gemini** for advanced text summarization, and provides audio files of the summaries.
- Implemented BeautifulSoup and LangChain for robust data extraction and language processing, ensuring accurate content analysis and concise summaries from various sources.
- Link:** <https://github.com/Ruchita019/SummarEase>

### Portfolio Website | Reactjs, TailwindCSS, Framer Motion, Vercel

July 2024

- Created a dynamic portfolio website using React.js, Tailwind CSS, and Framer Motion, showcasing my skills, projects, and personal information with **smooth animations for an engaging user experience**.
- Successfully **deployed the portfolio website** on **Vercel**, ensuring fast performance and seamless accessibility.
- Link:** <https://portfolio-website-chi-mocha.vercel.app/>

### Price Prediction Model | Scikit-Learn, Pandas, Flask, HTML

March 2024

- 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/PricePredictionModel>

## 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

## Volunteering 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.