

RUCHI SHARMA

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[Github](#) • [LinkedIn](#)

Aspiring AI and Data Science professional with hands-on experience in machine learning, NLP, and data visualization. Passionate about building intelligent solutions using real-world data and scalable tools.

EDUCATION

B.Tech(AI&DS) :-2025

Sarvajanik College of Engineering & Technology

Result: - 8.64 CGPA

HSC :- CBSE

Result:- 93%

SSC :- CBSE

Result:- 88%

SKILLS

Programming Languages	: Python, SQL,Excel
Libraries and Frameworks	:Numpy,Pandas,Matplotlib,Seaborn,Sk-Learn,NLTK,OpenCV, Streamlit,keras,Tensorflow,BeautifulSoup,Selenium
AI & Data Science expertise	:Deep Learning,NLP,Data Cleaning,Data preprocessing,Feature Engineering,EDA
Tools and Technologies	:Spyder,Jupyter Notebooks,VS Code,Google Collab,Github,MySQL, PowerBI
Languages	: English,Hindi,Gujarati

WORK EXPERIENCE

AI/ML intern at Sun Software

Jan 2025 - May 2025

- Worked on developing a deep learning-based system for offline handwritten text detection and recognition. The project involved processing scanned handwritten documents to detect individual words and convert them into editable and searchable text using CNN-BiLSTM model with CTC loss model.

Machine Learning intern at Feynn Labs

June 2024 - Aug 2024

- Worked on a project titled "Recipe Recommender System", where I was responsible for collecting data through web scraping and performing data preprocessing for further analysis and model development.
- Worked on EV Indian Market Segmentation, analyzing electric vehicle adoption trends through demographic, geographic, psychographic, and behavioral segmentation.

Training and Internship- Academor AI

June 2023 - Aug 2023

PROJECTS ([HTTPS://GITHUB.COM/RU1CHI?TAB=REPOSITORIES](https://github.com/RU1CHI?TAB=REPOSITORIES))

Deepfake Detection

- Developed a hybrid DeepFake detection model combining Optical Flow, CNN (MobileNetV2),and LSTM, achieving 93% accuracy.
- Processed the DFDC dataset with oversampling to address class imbalance,enhance model fairness and used Google Colab for efficient training and evaluation

Retrival based Chatbot for Company Website

- Scraped and cleaned Accenture web data using BeautifulSoup.
- Generated embeddings with MiniLM and indexed using FAISS.
- Retrieved context and generated answers via Flan-T5 in a RAG chatbot.

Online Courses Analysis Dashboard

- Built an interactive Power BI dashboard to visualize chatbot performance and user metrics.
- Integrated conversation data (queries, responses, feedback) with dynamic KPIs, charts, and filters.
- Enabled drill-down analysis and optimized usability for non-technical stakeholders.

Big Mart Sales Prediction

- Developed a sales prediction model using XGBoost Regressor, achieving high accuracy with R^2 evaluation on training and test datasets.
- Performed data cleaning and preprocessing, including handling missing values and encoding categorical features, to prepare data for regression analysis.
- Visualized key insights from the dataset using Matplotlib and Seaborn, highlighting trends in sales and product features.