

# HARSHIT RAJ

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## EDUCATION

### NMAM Institute of Technology

Bachelor of Engineering in Artificial Intelligence and Machine Learning; CGPA: 8.47

Nitte, Karnataka

Dec. 2021 – June 2025

### Oxford Public School

Senior Secondary - CBSE: Percentage: 78.8%

Ranchi, Jharkhand

Aug. 2019 – June 2020

### Oxford Public School

High School - CBSE: Percentage: 80%

Ranchi, Jharkhand

Aug. 2017 – June 2018

## SKILLS SUMMARY

**Languages:** Python, C, Java, SQL

**Frameworks:** pandas, NumPy, SpaCy, NLTK, Keras, Django, LangChain

**Data Visualization:** PowerBI, Tableau

**Cloud:** AWS S3, AWS Athena, AWS QuickSight

**Tools:** Git, GitHub, MySQL, VS Code

**Soft Skills:** Leadership, Event Management, Writing, Public Speaking

## PROJECTS

### E-commerce Data Analysis using Python and SQL | [Python, MySQL \(project link\)](#)

September 2024

- Utilized MySQL and Python (Pandas) for data retrieval, cleaning, and analysis, while automating the ETL process to import data from CSV files to a SQL database, ensuring data consistency and efficient processing.
- Conducted business analysis to extract insights on sales trends and customer behavior, and documented the findings in a Jupyter Notebook, providing a clear and reproducible analysis.

### Forecasting Inflation (Consumer Price Index) using LSTM | [Python, Keras, Matplotlib \(project link\)](#)

August 2024

- Forecasted Consumer Price Index (CPI) on U.S. economic data using LSTM, Linear Regression, and K-Nearest Neighbors algorithms.
- Conducted data cleaning, pre-processing, visualization, modeling, and CPI prediction.
- Analyzed model accuracy under varying conditions using Keras and Matplotlib in Python.

### Disease Prediction App | [Python, Streamlit, NLTK, Gemini pro \(project link\)](#)

July 2024

- Developed a Multi Disease Prediction App to assess diabetes and heart disease risk using health parameters.
- Integrated Gemini API for detailed reports, showcasing skills in data analysis and machine learning.
- Implemented an SVM classifier, achieving a prediction accuracy of 85% in identifying the diseases.

### SAM Chat Bot | [GoogleGenAI, Python, Chainlit, Render, Git \(project link\)](#)

February 2024

- Developed an AI-powered chatbot for a college treasure hunt event, using Chainlit and deployed on Render.
- Leveraged Gemini API for natural language processing to engage users with interactive clues and storytelling, enhancing the user experience.

## EXTRA-CURRICULAR

### SIG Head at TASC (Turing Artificial Intelligence Student Committee, Dept. of AIML):

- Led and mentored a group of 28 students interested in Machine Learning, guiding them in various ML projects.
- Organized and conducted a Tech Talk titled "Machine Learning Career Insights", attended by 50 students.

### Event Organizer, Incridea'24:

- Organized "Locked in Reality", a technical treasure hunt combining coding challenges, prompt expertise, and logical reasoning during the National Level Techno-Cultural Fest Incridea'24.
- Youth Mental Health First Aider: Participated in a mental health awareness campaign at college in collaboration with Mpower - Aditya Birla Education Trust, promoting mental health awareness during the Incridea'24 event.

## CERTIFICATIONS

**Coursera:** Regression and Classification (Deeplearning.ai)

**Coursera:** Linear Algebra for Machine Learning (Deeplearning.ai)