

# Harshit Raj

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## CAREER OBJECTIVE

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Aspiring Python Developer with a strong foundation in AI/ML, seeking to leverage expertise in data analysis, machine learning, and software development to create innovative solutions and drive technological advancements in a dynamic, growth-oriented environment.

## EDUCATION

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### 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*

## TECHNICAL SKILLS

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**Languages:** Python, C, SQL (MySQL)

**Frameworks:** Streamlit, Chainlit, LangChain

**LLMs:** Gemini pro, Gemini vision-pro, Llama

**Developer Tools:** Git, GitHub, VS Code, Power BI

**Libraries:** pandas, Matplotlib, NLTK, spaCy, TensorFlow

## PROJECTS

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### Cat Image Generation | *Python, TensorFlow, NumPy, OpenCV-python* ([project link](#))

May 2024

- The project focuses on utilizing Generative Adversarial Networks (GANs) to generate realistic images of cats. Leveraging the Cat Faces dataset, it aims to create a Deep Learning Model capable of producing life like cat images.

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

April 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.

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

February 2024

- Developed AI-powered treasure hunt app on Render platform for college event, integrating LLM API for natural language processing, engaging users with interactive clues and storytelling.

### RAG Application | *GoogleGenAI, Python, Streamlit, LangChain* ([project link](#))

January 2024

- Usage of Gemini-pro with Langchain for text generation, Multimodal (using text and image together) and building a RAG (Retrieval-Augmented Generation) application to extract the answer from the PDF using Gemini pro. Chat with your document using Gemini pro and Langchain framework.

## EXTRA-CURRICULAR

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

- Led and mentored a group of 28 students interested in Artificial Intelligence and Machine Learning, guiding them in various AIML projects. Organized and conducted a Tech Talk on "Machine Learning Career Insights."

### Tech 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.

## CERTIFICATIONS

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**Coursera:** Python (Google)

**DeepLearning:** Prompt Engineering llama3 (Deeplearning.ai)

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

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