

NIRVAN NAVEEN

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EDUCATION

Woxsen University

Hyderabad

B. Tech in Computer Science

2022 - 2026 (*expected*)

- Relevant coursework: Virtualization, Data Analytics and Mining, Full Stack Development, Web Technologies, Data Structures, Cloud Computing

Officers Academy

Hyderabad

Intermediate

2020 - 2022

- Grade: A, Percentage: 85

The Hyderabad Public School

Hyderabad

Class 10

2011 - 2020

- Percentage: 83

PROJECTS

Multimodal RAG-Enabled LLM Assistant

Woxsen University

Feb 2024 – Apr 2024

- Built a local multimodal assistant capable of processing documents, images, and videos offline using Retrieval-Augmented Generation (RAG) and local LLMs.
- Tools: LangChain, Hugging Face Transformers, Visual Language Models, FAISS.
- Skills: Multimodal RAG integration, local LLM deployment, secure offline processing, image and video analysis.

SparkFeed: News Summarizing App

Woxsen University

Sept 2024 – Dec 2024

- Developed an AI-powered news aggregator with personalized summaries and predictive analytics.
- Tools: Streamlit, LangChain, Python, Firebase, Android SDK, Data Visualization libraries.
- Skills: Frontend and backend development, AI model integration, mobile-first UI/UX design.

Lung Cancer Detection using CNNs

Woxsen University

Aug 2023 – Nov 2023

- Built a deep learning-based system using CNNs to predict lung cancer malignancy from medical imaging datasets.
- Tools: Python, TensorFlow/Keras, OpenCV, Scikit-learn, Matplotlib, Jupyter Notebook.
- Skills: Medical data analysis, deep learning model building, model evaluation (accuracy, precision, recall).

CERTIFICATIONS	Introduction to Artificial Intelligence (AI) <i>IBM</i>	Nov 2024
	<ul style="list-style-type: none"> Covered AI fundamentals, machine learning basics, and real-world applications in sectors like healthcare and finance. 	
	Advanced React <i>Meta</i>	Feb 2025
	<ul style="list-style-type: none"> Deep dive into React concepts such as hooks, Context API, performance optimization, and modern component architectures. 	
	Exploratory Data Analysis for Machine Learning <i>IBM</i>	Mar 2025
	<ul style="list-style-type: none"> Focus on data cleaning, visualization, and feature engineering to enhance machine learning model performance. 	
	Mathematics for Machine Learning: Multivariate Calculus <i>Imperial College London</i>	Oct 2024
	<ul style="list-style-type: none"> Explained multivariate calculus concepts essential for backpropagation algorithms in deep learning. 	
	Cloud Virtualization, Containers and APIs <i>Duke University</i>	Oct 2024
	<ul style="list-style-type: none"> Introduced cloud computing principles, containerization using Docker, and RESTful API design for scalable deployment. 	
	Mathematics for Machine Learning: Linear Algebra <i>Imperial College London</i>	Nov 2024
	<ul style="list-style-type: none"> Covered vector spaces, matrices, and eigenvalues essential for understanding machine learning algorithms. 	
SKILLS	Languages: English, Hindi, Telugu Programming: Python, C	
INTERESTS	Web Development AI Personalization Football Creative Problem Solving	