

## OVERVIEW

Motivated and solution-focused Computer Science student specializing in Artificial Intelligence and Machine Learning. Experienced in building AI-driven systems, NLP models, and ensemble-based predictive solutions. Passionate about applying data-driven insights to solve real-world challenges and innovate through intelligent systems.

## EDUCATION

<b>Bachelor of Technology in Computer Science and Engineering</b>	2022–2026
DRK Institute Of Science And Technology, Hyderabad	CGPA: 7.75

## PERSONAL PROJECTS

<b>Smart Cart Predictor (Amazon Hackathon Project)</b>	Oct-2025
An ensemble-based machine learning model for predicting product prices and patterns in shopping data.	
<ul style="list-style-type: none"><li>Built an ensemble pipeline using LightGBM, Ridge, and Random Forest to minimize SMAPE.</li><li>Utilized TF-IDF and Sentence Transformers for feature extraction from product descriptions.</li><li><b>Technology Used:</b> Python, LightGBM, NLP, Scikit-learn, Hackathon.</li></ul>	
<b>AI-Based Intrusion Detection System (NIDS)</b>	Mar-2025
A machine learning-driven system for detecting network intrusions.	
<ul style="list-style-type: none"><li>Used the NSL-KDD dataset for training multiclass and binary classifiers.</li><li>Built models with Random Forest, SVM, and Deep Neural Networks to improve detection accuracy.</li><li><b>Technology Used:</b> Python, Scikit-learn, TensorFlow, Pandas, Linux.</li></ul>	
<b>Document Classification and Query Routing System</b>	Jan-2025
A text classification engine using Wikipedia data.	
<ul style="list-style-type: none"><li>Built TF-IDF + n-gram-based model for routing user queries.</li><li>Implemented cosine similarity for topic matching.</li><li><b>Technology Used:</b> Python, NLP, Wikipedia API.</li></ul>	

## TECHNICAL SKILLS AND INTERESTS

**Languages:** Python, C, Java, JavaScript  
**Frameworks Libraries:** Pandas, Scikit-learn, Numpy,Matplotlib, LightGBM, React.js, Express.js  
**Tools Platforms:** Git, GitHub, Jupyter Notebook, VSCode, Linux  
**Cloud/Databases:** MongoDB, MySQL  
**Coursework:** Data Structures, Algorithms, DBMS, Operating Systems, OOPs, Computer Networks  
**Areas of Interest:** Artificial Intelligence, Machine Learning, Generative AI, Agentic AI, Cloud Systems

## CERTIFICATES

<b>Oracle Cloud Data Science Certified Professional (OCI25DSOCP)</b>	2025
Validated expertise in building, training, and deploying ML models on Oracle Cloud.	
<b>Oracle Cloud Generative AI Certified Professional (OCI25GAIOCP)</b>	2025
Demonstrated proficiency in generative AI, embeddings, and LLM-based applications.	
<b>Oracle AI Foundations Associate</b>	2025
Gained foundational proficiency in AI principles, model evaluation, and practical cloud deployment.	

## EXTRA-CURRICULAR ACTIVITIES

- National Hackathon – Zignasa 24-Hour Hackathon (2025)** – Built a collaborative tech solution using the MERN Stack under real-time competitive constraints.
- Deloitte Technology STEM Virtual Experience Program (2025)** – Simulated consulting tasks involving AI strategy, data-driven analysis, and cloud implementation.