

# KRISHNA KAUSHIK

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## Education

### Indian Institute of Information Technology Bhagalpur

*Bachelor of Technology in Electronics and Communication Engineering*

*Grade: 8.5 (latest SGPA), 7.5 (latest CGPA)*

Nov 2022 – July 2026

Bhagalpur, Bihar

## Skills and Competencies Document

**Languages & Frameworks:** C++, Python, JavaScript, ReactJs, Flask, FastAPI.

**Libraries:** Pandas, Numpy, Scikit-Learn, Matplotlib, Tensorflow, Keras, Spacy, Langchain, LangGraph, Hugging Face.

**Databases & Tools:** PostgreSQL, MongoDB, ChromaDB, Docker, GitHub, Google Cloud, PySpark.

**CS Fundamentals:** Data Structures and Algorithms, OOP, DBMS, Engineering Mathematics, Machine Learning, Deep Learning, Gen-AI.

## Internship

### Pledgecare.AI

SDE Intern

Remote

- Applied classical machine learning and neural networks using TensorFlow, Scikit-learn to develop a disease predictive model, achieving 90% accuracy and providing data-driven insights.
- Implemented disease detection functionality using Decision Tree, Random Forest and KNN algorithms, enabling accurate prediction of medical conditions from user-input symptoms in real time.

## Projects

### MedBuddy | Python, Deep Learning, RAG, LLM, ChromaDB. |

Sep 2025

- Architected a RAG-based health assistant that cut retrieval time from hours to 10 seconds and boosted answer accuracy by 35% via a knowledge base of 1,000+ medical documents.
- Engineered a continuous learning loop that embedded expert feedback into the vector store, boosting retrieval accuracy 15% per quarter without retraining.

### Rhythm | Python, Fastapi, NLP, LangGraph, LLM, Agentic-AI. |

Jul 2025

- Developed advanced agentic reasoning by enabling AI agents to iteratively compose music and perform self-critique, demonstrating full orchestration of a generative process from ideation to refined output.
- Boosted output quality 25% via a 3-step agentic critique loop, refining compositions from prompt to final score in under 90 seconds.

### Cyber-Detect | Python, Flask, NLP, Scikit-Learn, SQL. |

Feb 2025

- Built a Cyberbullying Detection pipeline using machine learning models like SVM, Random Forest, and Boosting algorithms to classify social media texts with an accuracy of 94%.
- Visualized and compared key mathematical performance metrics (recall, F1 score and precision) to communicate model strengths and facilitate stakeholder decision-making.

## Certification

### Oracle Cloud Infrastructure Data Science Certification

Data Science Professional

2025

- Implemented Data science, Machine learning and MLOps workflows within the Oracle Cloud ecosystem.

## Achievements

- Earned 5th place among 45 teams in the Smart India Internal Hackathon, showcasing strong software AI/ML skills.
- **Knight on LeetCode**, Showed proficiency by solving over 200+ questions on [LeetCode](#), and a rating of 1700+.
- ranked top 100 in kaggle data science contest showcasing machine learning and deep learning skills using TensorFlow, PyTorch & Scikit-learn.
- Achieved semi-finalist status in AeroHack ML Hackathon and Ank-Ganit Data-Analysis Hackathon by IIM Vizag.