

B.Tech (Computer Science & Engineering) |
VIT Bhopal University (2022 – 2026)
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| Examination | University | Institute | Year | CGPA% |
|----------------------------------|------------|---------------------------|-------------|-------|
| Graduation (B.tech.) | VIT Bhopal | VIT Bhopal | 2022 - 2026 | 7.92 |
| Intermediate(12 th) | CBSE | K.V. no. 1. A.F.S Agra | 2022 | 85% |
| Matriculation(10 th) | CBSE | K.V. no. 1. A.F.S Agra | 2020 | 83% |

PROJECTS

Movie Recommendation System | Group Project

- Developed a movie recommendation system using sentiment analysis based on the mood detected by ML.
- Achieved a 94% accuracy rate for the trained model using data from over 300 participants.
- Technologies used: HTML, CSS, JavaScript, Python, Flask

Transformer Model for English-to-Hindi Translation (Oct 2024 – Dec 2024) | Self Project

- Built a **Transformer-based NLP** model for language translation, inspired by the "**Attention Is All You Need**" architecture.
- Designed **multi-head attention** and **encoder-decoder architecture** with positional encoding.
- Processed datasets with **custom tokenizers and padding masking**, achieving high translation accuracy.
- Trained and fine-tuned the model on a parallel corpus of English-Hindi text, achieving practical accuracy for multilingual communication applications.
- Tech Stack:** Python, TensorFlow, Deep Learning, NumPy.

Potato diseases analysis in Python | Self Project

- To help farmers detect these diseases early, I trained a deep learning model on three distinct datasets containing images of: Healthy potatoes, Early blight-affected crops and Late blight-affected crops
- Using 80% of the data for training and the rest for testing and validation, I achieved an accuracy of 97.4% with a loss of just 0.0587 on the test set.
- Fine-tuning model parameters is crucial for reducing error rates and optimizing performance

TECHNICAL SKILLS

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|---|--|
| • Programming Languages: | C++, Python, Java, JavaScript |
| • Machine Learning & Data Science: | TensorFlow, Keras, Scikit-learn, NumPy, Pandas, Power BI |
| • Web Development: | HTML, CSS, JavaScript, Flask |
| • Databases & DevOps: | MySQL, Git/GitHub, Docker |
| • Software | Tableau, SolidWorks, MySQL |

ONLINE COURSES

The Bits and Bytes of Networking (Google, Coursera)

- Mastered TCP/IP, OSI model, DNS, subnetting, and routing fundamentals.

- Hands-on experience in network troubleshooting and internet security principles.
- Covered essential topics such as packet-switching, DNS, routing, subnetting, and security principles in networking.

Cloud Computing (NPTEL - IIT Kharagpur)

- Gained expertise in IaaS, PaaS, SaaS, virtualization, and cloud deployment models.
- Practical experience in Docker for containerized applications and cloud security.

CO-CURRICULAR

LitCoder:

- Solved multiple problems in JAVA programming language implementing coding concepts in real life problems
- Got LitCoder score of 80.15 and Code accuracy score of 88.65 and Code Quality score of 75.57

EXTRACURRICULAR ACTIVITIES

- **Reading:** Avid Reader; favorite books include some of the most popular fiction books like Harry Potter and Diary of a Wimpy Kid
- **Philosophy Enthusiast:** currently inspired by Confucius, Nietzsche and Camus.
- **Sports:** National Level Player in Volleyball. Represented school in Regional and National Sports Meet