

Ashrita Vinod

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Education:

VIT Bhopal University, Bhopal, Madhya Pradesh

B.Tech in Computer Science & Engineering (AI & ML) | CGPA: 8.93 | Expected May 2026

Amrita Vidyalayam School, Ernakulam, Kerala (CBSE)

- **12th Standard:** Percentage: 94.6% (June 2022)
 - **10th Standard:** Percentage: 96.4% (June 2019)
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Projects:

AI-Powered Disease Prediction & Doctor Recommendation System

- Developed an **end-to-end AI system** to predict diseases, describe conditions, recommend medications, and suggest specialists.
- Implemented **NLP techniques** for clinical report extraction and trained a **BERT model** on a Kaggle dataset for classification.
- Built a **FastAPI backend** for model deployment and integrated a minimal frontend.
- **Tech Stack:** Python, NLP (spaCy, NLTK), Hugging Face Transformers, BERT, FastAPI, Pandas, NumPy

AI-Powered Healthcare FAQ Chatbot

- Designed and developed a multilingual healthcare chatbot using Python and Streamlit to handle clinic FAQs and provide symptom-based advice.
 - Utilized **Sentence Transformers (all-MiniLM-L6-v2)** for semantic similarity to match user queries with the most relevant answers.
 - Implemented **TF-IDF Vectorizer** as a fallback retrieval technique for improved robustness and accuracy.
 - Enabled regional language support by translating Hinglish queries to English using a custom rule-based mapping system.
 - **Tech Stack:** Python, Streamlit, Pandas, Sentence Transformers, scikit-learn (TF-IDF), FuzzyWuzzy
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Extracurricular:

Freelancing Club: Social Media & Marketing Lead – Managed digital marketing strategies and social media campaigns for events.

Malayalam Club: Assisted in event management and coordination.

Additional:

Technical Skills

- **Languages & Tools:** Python, Pandas, NumPy, Scikit-Learn, TensorFlow, Hugging Face Transformers, spaCy, Natural Language Toolkit, LangChain, Dialogflow, Llama, RAG
- **Concepts:** Machine Learning, NLP, Deep Learning, Data Analysis, API Development

Soft Skills: Ownership | Teamwork | Self-Driven | Passion for Quality

Languages: English (Fluent) | Malayalam (Conversational)

Certifications:

- **IBM-GenAI** Using IBM Watson
- **Coursera:** Applied Machine Learning in Python
- **Kaggle:** Introduction to Machine Learning, Python
- **MATLAB:** Machine Learning, Simulink
- **Cisco:** Data Analytics Essentials
- **Accenture:** Data Analytics & Visualization (Virtual Experience)
- **NPTEL:** Privacy & Security in Online Social Media (**Top 2%**)

