## 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)

# 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

**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%**)