D Likitha

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Education

Amrita Vishwa Vidyapeetham   *Chennai, Tamil Nadu*

B.Tech in Computer Science and Engineering; CGPA: 9.15   *2022 -Expected 2026*

Relevant Coursework: *Data Structures and Algorithms, Computer Networks, Operating Systems, Object Oriented Paradigm*
Database Management Systems, Machine Learning

Sri Vidhya International School   *Chennai, Tamil Nadu*

12th Grade CBSE Percentage: 96.6%   *2022*

10th Grade CBSE Percentage: 94.4%   *2020*

Projects

MatSciRoBERTa | *RoBERTa, SciBERT, Hugging Face Transformers, XGBoost, NLTK*   *July 2024-Oct 2024*

- Pretrained **RoBERTa** on **a 200K material science paper** corpus and fine-tuned it **for Named Entity Recognition (NER) and Abstract Classification**, achieving strong performance in domain-specific tasks.
- Outperformed SciBERT with a **perplexity of 3.17**, demonstrating better generalization.

MediPlus |*Flask, Python, Azure, HTML, CSS, JavaScript, Decision Tree*   *Mar 2024- May 2024*

- Developed an AI-driven healthcare platform with a symptom checker powered by **Decision Tree Classifier** (scikit-learn), achieving **93% diagnostic accuracy** from user input.
- Integrated a **24/7 HealthBot** using **Azure AI Health Bot**, enabling continuous medical assistance, **health query handling**, and automated medication reminders.

Real time Credit Card Fraud Detection | *Python, XGBoost, Firebase, Twilio, Gmail API, Faker*   *Oct 2023-Dec 2023*

- Developed a real-time fraud detection system using **XGBoost** and integrated Firebase for real-time transaction updates, sending automated notifications via **Twilio and Gmail** to alert users of suspicious activities.
- Generated **1,000+ simulated user transactions** with a **5% fraud rate** using Faker to ensure a robust dataset for **training and testing**.

Technologies

- **Programming Languages:** Python, Java, C++, C, JavaScript, HTML, CSS, R
- **Frameworks & Libraries:** TensorFlow, Hugging Face, Streamlit, Selenium, Flask
- **Databases:** MySQL, MongoDB
- **Tools and Platforms**: Azure, Github

Certifications

Future Ready Talent | Microsoft   *June 2024*

Acquired knowledge in Microsoft Azure, AI, Data, and Security by completing self-paced courses

Google Cloud Data Analytics Certificate | Google Cloud   *July 2024*

Gained knowledge in Data Management, Transformation, Visualization, and Cloud Analytics.

CS50R: Introduction to Programming with R | Harvard University   *Nov 2024*

Covered data manipulation, visualization, functions, loops, and the Tidyverse