Tarpita Karnam

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Summary

I am a Computer Science student currently pursuing B.Tech in Health Informatics at VIT Bhopal University. I have worked on diverse projects, including web applications and deep learning models. My technical skills encompass languages like C++ and Java, and I am adept at using various development frameworks. Alongside my academics, I actively participate in extracurricular activities to enhance my learning and collaboration skills.

Education

VIT Bhopal University, Bhopal
B.Tech - Computer Science and Engineering - CGPA - 8.38

Loyola School, Jamshedpur
10th - Percentage - 90.2

Loyola School, Jamshedpur
12th - Percentage - 87

Projects

Podcast Streaming Services   2025
- This project is a web application built using the React framework.
- It utilizes Vite as a build tool and development server.
- The styling is handled by TailwindCSS utility classes.

Plant Disease Classification using Deep Learning   2025
- Designed and trained CNN and hybrid models on 120,000+ plant leaf images for accurate disease detection.
- Boosted classification performance using data augmentation and model ensemble techniques.

Diabetes Prediction using Machine Learning   2024
- Developed machine learning models (CNN, Random Forest, SVM) to predict diabetes based on clinical and lifestyle data.
- Enhanced model accuracy and reliability through feature optimization and hyperparameter tuning.

Technical Skills

Languages: C++, Java
Technologies/Frameworks: HTML, CSS, Javascript, React
Developer Tools: VS Code, Canva

Certifications

- MERN Full Stack - ETHNUS
- Microsoft Certified : Azure Data Fundamentals (DP-900) - Microsoft
- Java Course - Scaler
- C++ Course - Scaler

Extra Curricular

- Core Member - Notion Vit Bhopal
- Core Member - Linpack Club