Tarpita Karnam

📞 6206824429 — ✉ ktarpita@gmail.com — 🔗 linkedin.com/tarpita-karnam — ⬤ github.com/tarpita

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 - 8.23

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

– Lead (Social Media) - Linpack Club
– Co-Lead (Social Media) - Notion Vit Bhopal