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Profile

As a Computer Science B-Tech student, I am passionate about coding and technology. I constantly seek opportunities to apply and expand my skills in dynamic environments. My goal is to strive for excellence both individually and in team settings. You can explore my work at portfolio.

Education

- **Manipal Institute of Technology** 2022 – 2026
B-Tech in Information Technology, CGPA: 8.53
- **Mahatma Gandhi Memorial College** 2020 – 2022
Higher Secondary, Score: 95%
- **Christian High School** 2019 – 2020
Secondary, Score: 98.5%

Technical Skills

- **Languages:** C, C++, Java, Python, SQL, HTML, CSS, JavaScript
- **Concepts:** Data Structures & Algorithms, OOP, Relational Databases
- **Tools:** Embedded Systems, Linux, Networks, Machine Learning, Figma, Canva
- **Soft Skills:** Time Management, Leadership, Adaptability, Communication, Teamwork

Projects

- **Resort WebServer**
 - Web app for resort management using *React.js*, *Express.js*, and *PostgreSQL*.
 - Features include booking, taxi booking, and ordering services.
- **ICU Admission Predictor**
 - ML model predicting admission to the ICU for pediatric respiratory patients.
 - Achieved 92% accuracy with Explainable AI techniques.
- **Secure Text Drive**
 - Secure text storage system for users to store and retrieve text files.
 - Built using *Flask*, *PostgreSQL*, *RSA encryption*, *Hashing*, and *Digital Signatures*.
- **Hospital Management System**
 - Web app integrated with ML models to predict blood donations.
 - Features include patient appointments, test results, and blood donation predictions.

Experience

- **Machine Learning Intern, Invengor Technologies** December 2024 — January 2025
- Developed an ML model to predict blood donations. Integrated the model into a web app with patient appointment and test result features.

Courses and Achievements

- **Patent:** Author in Indian patent: *System and Method for Predicting Respiratory Illness of Users*.
- **Publication:** Published paper in *IEEE* titled *Using Explainable Machine Learning Methods to Predict the Survivability Rate of Pediatric Respiratory Diseases*.
- **Hackathon:** Secured 4th place in Eureka Hackathon for the ML model predicting ICU admissions.
- IBM Course on Exploratory Data Analysis, Supervised and Unsupervised Machine Learning.