

DhanuSri BV

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Education

Coimbatore Institute of Technology

M.Sc Software Systems - CGPA : 8.3

2020 - 2025

Coimbatore

Sri Chaitanya Techno School

HSC CBSE

2020

Bangalore

Maharishi Vidya Mandir

SSC CBSE

2018

Hosur

Experience

CYIENT - Digital Engineer Intern

June 2023 – November 2023

PREDICTIVE MAINTENANCE SOLUTION FOR DIGITAL TWIN OF A ROTATING EQUIPMENT

Bangalore

- Worked on developing a data-driven proactive maintenance system to improve reliability and efficiency of rotating machinery such as motors.
- Collected datasets by simulating incremental wear and recording object movements for insights.
- Utilized open-source libraries in machine learning like Librosa, Matplotlib, and Plotly to create interactive data visualizations.
- Statistical measures like PDF and CDF provide quantitative insights into the equipment's spectral behavior, aiding predictive maintenance.
- Achieved a 25% reduction in downtime and improved equipment efficiency.

TITAN, Corporate - Software Developer Intern

January 2025 – Present

SERVICE QUALITY AUDIT SYSTEM

Bangalore

- Working on developing and testing a automated audit scheduling and tracking by reducing manual effort by 40%.
- Using Django, SQLite, HTML, CSS, and JavaScript to develop the automated audit management system

Recent Projects

BIOMEDICAL ASSISTIVE SYSTEM

C++, ARDUINO, Node MCU

- * The system enables reliable communication of user's basic needs and emergencies to caretakers through sensor integration.
- * Integrated flex sensors into gloves and a strap to monitor hand movements and spinal posture respectively.
- * A pulse sensor is incorporated to track pulse rate of the patient.
- * Real time data is transferred via Node MCU to the respective web and mobile applications.
- * Model helped in improving caregiver response time by 30%.

FILESHARE-HUB

Django, Django REST Framework, Bootstrap, JavaScript

- * Built a Django + DRF-based file-sharing web app with login, file upload/download, user profiles, and access-controlled sharing.
- * Enabled users to search profiles, share files, and manage various file types with a responsive Bootstrap interface.

Technical Skills

Programming Languages : Python, C++ (OOP principles)

Web Development : HTML, CSS, JavaScript

Frameworks : Django, Git

Database Management Systems : MySQL

Data Visualization tools : Power BI

Designing Tools : Adobe Illustrator, Adobe XD, Figma

Certifications

- * Cloud Computing on AWS - UDEMY
- * MySQL for Data Analytics and BI - UDEMY
- * Visual Elements of User Interface Design - COURSERA

Leadership Experience

EVENT COORDINATOR - MELINIA

A National Level Technical Symposium

Coimbatore Institute of Technology

01/2024 – 02/2024

EVENT COORDINATOR - OCTOPUS

Flagship event

Rotaract Club of Coimbatore Institute of Technology

03/2022 – 05/2022

DIRECTOR OF OUTREACH - UTSAVA

Flagship event

Rotaract Club of Coimbatore Institute of Technology.

12/2021 – 02/2022