

DARSHAN G R

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 Darshan GR



Objective

Constantly seeking to engage my knowledge to learn something useful and keep challenging myself to be a better performer in accordance to the company's requirements. Good and quick learner, team player, love to learn new things, flexible with different technologies.

EDUCATION

MS Ramaiah Institute of Technology <i>BE-Electronics and Communication Engineering</i>	2023 – 2025
	8.17 CGPA
Sri Jayachamarajendra Polytechnic <i>Diploma-Electronics and Communication Engineering</i>	2019 – 2022
	88.59%
Kiran High School <i>KSEEB- 10th</i>	2019
	97.44%

PROJECTS

Portfolio Website

- Built a responsive personal portfolio website using **ReactJS** and **Tailwind CSS** to showcase skills, projects, and experience.
- Developed reusable UI components and implemented smooth navigation, animations, and mobile-first layouts for better user experience.
- Integrated project cards and contact sections to present work clearly, demonstrating front-end development, UI/UX design, and deployment skills.

Detection of Cardiovascular Diseases using Deep Neural Network

- Developed deep learning models to classify five arrhythmia types such as **Normal, LBBB, RBBB, APC, VPC using the MIT-BIH Arrhythmia Database**.
- Implemented and compared various architectures including **1D CNN (98.72%), 2D CNN (97.8%), GRU(98.46%), and LSTM(97%)** demonstrating the robustness of CNN and RNN-based methods.
- Focused on automation and reliability of cardiovascular disease detection, aiming to reduce dependency on manual ECG interpretation.
- Integrated cross-validation and confusion matrix analysis to evaluate model performance across multiple arrhythmia classes.

INTERNSHIP

Adarsha Control and Automation pvt ltd.

FEB 2025 - APR 2025

Intern

- Gained understanding of electrical and automation control panels, including Power Control Centres (PCC), Motor Control Centres (MCC), APFC, PLC, HMI.
- Acquired basic knowledge of PLC programming, including logic development and integration of PLCs in automation panels for process control.
- Gained familiarity with AutoCAD for circuit schematic design and panel layout planning.
- Developed communication, time management, and teamwork skills by operating in a deadline-driven industrial environment.

SKILLS

Programming Languages: C++, Python, SQL

Front end: HTML, CSS, JavaScript, React.js

Version Control: Git, Github