

MAHAMMAD SAFWAN

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[GitHub](#) — [LinkedIn](#) — [Portfolio](#)

Summary

Motivated and goal-driven individual with strong adaptability, critical thinking, and teamwork skills. Committed to delivering quality results, taking initiative, and continuously improving with a positive and resilient mindset.

Skills

Programming Languages: C, Java, Python

Web Development: HTML, CSS, JavaScript, React, Node.js

Databases: MySQL, MongoDB, Firebase

Automation & Low-Code: n8n, Node-RED, MQTT

IoT & Embedded Systems: Raspberry Pi, Arduino, ESP32

Development Tools: VS Code, Git, GitHub, Docker (Basic), Postman, Linux/Bash

Software Concepts: REST APIs, JSON, Authentication (JWT, OAuth Basics)

Soft Skills: Adaptability, Critical Thinking, Collaborative Teamwork

Experience

DriftPure Innovation Private Limited, Mangalore

Aug 2025 – Present

Web Developer Intern

- Developed a personal portfolio website showcasing projects and skills.
- Designed responsive UI components using modern web technologies.
- Portfolio: <https://mahammadsafwan.vercel.app/>

Education

PA College of Engineering, Mangalore

2022 – 2026

B.E. in Computer Science Engineering

CGPA: 7.83

Govinda Dasa Pre University College

2022

PCMS

Percentile: 70%

Al Badriya English Medium High School

2020

Secondary Education

Percentile: 78.4%

Projects

- **Bridge Management System** – Automated drawbridge using Arduino, IR sensors, servo motors, traffic lights, and buzzers for improved safety.
- **Playtone (DBMS Project)** – Sports platform for turf booking, team creation, authentication, search, game management, and reviews.
- **SafeWalk AI – Women Safety App** – React-based application with location tracking, SOS alert, voice activation, and emergency contacts.

- **Agile Feature Generator – AI Tool** – React + TypeScript app that converts specification documents into agile features using an AI backend.
- **AI-Based Liver Cancer Detection** – Medical imaging system using MONAI for CT scan segmentation with FastAPI/Gradio deployment.
- **E-commerce App** – React shopping platform with search, filters, cart management, and API integration.

Certifications & Achievements

- Hack Summit – Built WISE (Women Safety Web App), **Top 5 Nationally**
- Code Meet – Developed Playtone sports platform
- Introduction to CS50 – Harvard University
- Introduction to Python
- Big Data 101
- Programming in C