

# MAHAMMAD SAFWAN

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GitHub • LinkedIn • Portfolio

## Summary

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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

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**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

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

**Concepts:** REST APIs, JSON, JWT, OAuth Basics

**Soft Skills:** Adaptability, Critical Thinking, Team Collaboration

## Experience

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### DriftPure Innovation Private Limited, Mangalore

Aug 2025

*Web Developer Intern*

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

## Education

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### PA College of Engineering, Mangalore

2022 – 2026

B.E. in Computer Science Engineering — CGPA: 7.83

### Govinda Dasa Pre University College

2022

PCMS — 70%

### Al Badriya English Medium High School

2020

Secondary Education — 78.4%

## Projects

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- **Bridge Management System** — Automated drawbridge using Arduino, IR sensors, servo motors, traffic lights, and buzzers.
- **Playtone (DBMS Project)** — Sports platform for turf booking, authentication, search, game management, and reviews.
- **SafeWalk AI** — Women safety app with location tracking, SOS alerts, and voice activation.
- **Agile Feature Generator** — AI tool converting specifications into agile features using React + TypeScript.
- **AI-Based Liver Cancer Detection** — CT scan segmentation using MONAI with FastAPI/Gradio deployment.
- **E-commerce App** — React platform with filters, cart management, and API integration.

## Certifications & Achievements

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