

# Darshan V

Full Stack Developer

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## Education

### Bachelor of Technology

Computer Science and Engineering  
Final Grade: 9.27

REVA University  
Dec 2020 – Jul 2024

## Work Experience

### swastya.ai

Full Stack Developer

Feb 2024 – March 2025

Bengaluru, India

- Architected and developed swastya.ai LIMS platform using Next.js App Router frontend and Spring Boot backend with gRPC/Protobuf, aiming to achieve an improvement in a pathology's operational efficiency.
- Led client-side technical operations and deployment, successfully launching Swastya.ai in **5 pathology labs**, ensuring seamless onboarding and integration.
- Designed and implemented the **end-to-end lifecycle of medical reports**, including patient registration, sample processing, **automated report generation**, and delivery with a secure **QR code-based authentication mechanism** to ensure report integrity and prevent tampering.
- Developed a **payment reconciliation system** to verify transactions, detect discrepancies, and prevent fraudulent activities.
- Implemented containerized microservice architecture with multi-stage Docker builds, reducing **image sizes by 35%** and optimizing deployment across testing and staging environments.
- Established automated CI/CD pipelines using GitHub Actions and **DORA metrics show a 85% reduction** in deployment time going from hours to minutes.
- Integrated **LLM-powered automation** to parse vendor bills, manage inventory, and streamline procurement workflows, reducing manual processing time.

### DXC Technology

Custom Apps Intern

Jul 2023 – Oct 2023

Bengaluru, India

- Developed a logistics platform for real-time container tracking using Next.js and Mapbox APIs accurate up to **30 meters**, enhancing supply chain visibility for clients.
- Built a regression model to predict the Remaining Useful Life (RUL) of compressors with **93% accuracy** for preventive maintenance, reducing unplanned **downtime by 27%**.

### GCID Bangalore

Project Intern

Aug 2022 – Nov 2022

Bengaluru, India

- Worked on a project exploring novel approaches to Cybersecurity using Blockchain technology across diverse enterprise systems.
- Performed chain analysis of popular tokens using Etherscan to identify and track suspicious transactions from bad actors, developing pattern recognition methodologies.

## Projects

### IOPTN

Hardhat, Metamask, Next.js

Nov 2023

- Indian Organ Procurement and Transplantation portal - IOPTN, is an experimental organ donation site built on Ethereum Blockchain network facilitating transparent and secure organ donation registrations. The web application is built using Next.js and is hosted on Vercel with smart contract integration for unalterable record keeping.

### Medify

Flutter, Metamask, Web3Dart

Mar 2022

- An app that stores a person's medical information on blockchain enabling medical personnel to access it in an emergency. The application secured III place at prestigious **IIT-Dh Hackathon**.

### AI Text Detection

GPT-2, NLTK, Scikit-learn

May 2023

- A research based Mini Project on AI generated text Detection with a focus on developing robust language pattern analysis techniques. We propose a pipeline of Tf-Idf transformers and an ML Model to detect short stories generated by GPT-2 Language Model, **achieving 93.67% detection accuracy** on diversified test datasets.

## Research Publication

### IoT Based Attendance Monitoring System Using Facial Recognition

Facial Recognition, IoT Integration

July 2024

- Co-authored and published the paper at the 2024 Second International Conference on Advances in Information Technology (ICAIT) <https://ieeexplore.ieee.org/document/10690462>

## Awards

### Third Place

36 Hour Hackathon Parsec - the annual technical festival of IIT-Dh

\*2022\*