

DHRUV SHARMA

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Backend Developer and System Designer

EDUCATION

Bachelor of Technology in Computer Science

2022 – Present

JK Lakshmi pat University, Jaipur

CGPA: 7.7

Relevant Coursework: DSA, DBMS, OS, CN, AI/ML, Graph Theory, IoT

SKILLS

Languages: JavaScript, Python, C++, Dart

Backend: Node.js, Express.js, MongoDB, REST APIs, Supabase, Firebase

Mobile/Web: Flutter, React, HTML, CSS

Tools: Git, Docker, Linux, Figma, Unreal Engine, Blender

EXPERIENCE

Backend Developer Intern

Jan 2026 – Present

Aerilon Tech (Remote)

- Developing scalable **RESTful APIs** using **Node.js** and **Express.js** for multiple client applications.
- Practicing **Test-Driven Development (TDD)** with unit and integration tests.
- Implementing **authentication, role-based access control (RBAC)**, and **secure API design**.
- Using **Docker** for containerization and **Git** for version control.

Flutter Mobile App Developer Intern

May 2025 – Aug 2025

Dynamicore Strategies, Jaipur

Built a fintech **Flutter** application featuring portfolio tracking, mutual fund analysis, investment dashboards, and AI-driven portfolio insights, with dynamic responsive UI and real-time financial data visualization.

Software Development Intern

May 2024 – Jun 2024

Aunwesha Knowledge Technologies Pvt. Ltd., Kolkata

Developed a **backend system to extract and normalize metadata** from AutoCAD (.dwg) and PDF files using OCR tools, implemented **Apache Lucene** based indexing and high-speed search, and built a Java application with **chatbot-driven queries**, Excel export, and document rendering.

PROJECTS

Multi-Class Abnormality Classification [\[Paper\]](#)

Developed Vision Transformer and ResNet based deep learning model for multi-class classification of endoscopy images, focusing on automated gastrointestinal abnormality detection. **Ranked 7th in Capsule Vision 2024 Challenge**.

DTIX – Decentralized Ticketing Platform [\[Live\]](#)

Designed and built a blockchain-powered ticketing platform enabling NFT-based ticket creation, buying, reselling, and auctions while preventing duplication and fraud. **Secured 4th place at HackJKLU v4.0 and 6th place at Code Hive, IIT Delhi**.

STONKS – Virtual Trading App

Developed a cross-platform Flutter application that simulates real-time stock (NSE/BSE) and cryptocurrency trading with live price feeds, portfolio analytics, transaction history, and risk-free learning environment.

Ergo Visual Studio

Built a visual blockchain development environment with drag-and-drop contract builder, live ErgoScript generation, eUTXO simulation, and agent-assisted guidance for developers.

Accident Detection System

Created a real-time accident detection system using YOLO on Jetson Nano to identify accidents from video streams and trigger instant alert indicators.