

# DUSHYANT PRAJAPATI

Software Engineer



## ABOUT ME

First-year B.Tech student who builds production-grade AI platforms. 6 hackathon placements with two Top 4 finishes across healthcare, space tech, IoT, and accessibility. I design and ship full systems — from ML models to polished interfaces.

## EDUCATION

### B.Tech — CSE (AI & Data Science)

Sharda University  
2025 – 2029

### Senior Secondary (Class XII)

Manaskriti School, Faridabad  
Completed 2025

## SKILLS (VIBE CODING)

Python

JavaScript/TypeScript

React / Next.js

PostgreSQL / Redis

Machine Learning

Computer Vision (OCR/MediaPipe)

## LANGUAGE

• English

• Hindi



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• [LINKDIN](#)  
• [GITHUB](#)



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## PROJECTS

- MENTIS — AI Dyslexia Screening Platform** 2026
  - Next.js, FastAPI, PostgreSQL, Redis
  - ML-based dyslexia classification with SHAP explainability
  - Real-time eye tracking via MediaPipe Face Mesh
  - Handwriting analysis with EasyOCR + stroke feature extraction
  - Adaptive training engine with XP progression system
  - JWT + Google OAuth with atomic token refresh
- GAURK — Full-Stack E-Commerce Platform** 2026
  - React, Vite, FastAPI, PostgreSQL | Live at [gaurk.shop](#)
  - Full-stack e-commerce platform deployed — frontend on Hostinger, backend & database on Render live at [gaurk.shop](#)
  - Razorpay payment integration with order management
  - Product variant system (colors, sizes, SKU tracking)
  - Service-layer architecture separating business logic from routes
  - Storefront + admin panel
- Vyoma — Orbital Defense System** 2025
  - FastAPI, WebSockets, PyTorch | Top 4/800 Teams
  - Satellite collision prediction using Physics-Informed Neural Networks
  - 3D orbit visualization with real-time WebSocket streaming
  - 72-hour advance warnings with fuel-optimal avoidance maneuvers
- Velos — Fleet Health Intelligence** 2025
  - FastAPI, PostgreSQL, Leaflet.js, Chart.js | Top 50/800 Teams
  - IoT fleet tracking with real-time telemetry and map visualization
  - Health scoring (0-100) and multi-factor risk classification
  - ESP32 + GPS + GSM/4G hardware architecture

**AND MANY MORE**

## Portfolio

<https://dushyant-portfolio-v1.netlify.app/>

**IN-DEVELOPMENT**