Kamyavardhan Dave

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Summary

Final-year AI/ML engineer and full-stack developer who ships production systems end to end, from redesigning a 10,000-user tax suite as cloud SaaS and a company's whole B2B platform to a live crypto-arbitrage engine and medical-imaging AI.

Education

B.Tech in Artificial Intelligence and Machine Learning **2023 – 2027**
JIET College of Engineering, Jodhpur | currently in 7th semester *CGPA: 9.3/10*

Experience

Software Developer Intern – Electrocom Software Pvt. Ltd. **May 2026 – Nov 2026**
Makers of EasyOFFICE, taxation software for CAs (10,000+ active users) *Ahmedabad*

- Core developer on the cloud redesign of the EasyOFFICE suite, moving it from a desktop app shipped on USB pen drives to web SaaS. Built the foundation layer (schema, auth, shared modules) of a modular monolith on React/Vite, Node.js/Express, Prisma, PostgreSQL, Redis and Python microservices.
- **EasyGST:** working across the full GST product. Shipped GSTR-1 end to end (GST workbook XLSX import with row-level validation, AG Grid editing, a filing wizard, portal-ready JSON), plus Party/Assessee masters and the dashboard. Now building GSTR-2A/2B reconciliation and the ITC summary.
- **EasyTDS:** building the entire TDS and TCS returns module myself; currently in development.
- Rebuilt the corporate website alone in 3 weeks, migrating every page from legacy PHP/ASP.NET to Next.js, TypeScript and Tailwind with SSR, SEO structure and responsive, reusable components.

Part-time IT Lead & Freelance Developer – Kushak Commercial **Jun 2026 – Present**
B2B commodity trading firm | kushakcommercial.com *Jodhpur (remote)*

- Built and run the company's whole web platform (Next.js 16, TypeScript, MySQL): a 31-product catalogue, 8 SEO landing pages and an order pipeline that generates invoices, purchase orders and letters as PDFs.
- Built an admin portal with per-employee IMAP/SMTP mailboxes and email tracking; I also run its hosting.

Research Intern – Data Science Division, HCLTech **Jun 2025 – Aug 2025**
Time-series forecasting and predictive analytics

- Forecast aviation traffic from 114 months of data and reached 6.29% MAPE, 40% more accurate than baseline models.
- Cut forecast error by 20% in volatile periods with ensembles, validated by walk-forward backtesting.

Projects

Fundex | Real-Time Crypto Funding-Arbitrage Platform **Apr 2026 – Present**
FastAPI, React, TypeScript, SQLite, Telegram Bot API, Docker, Railway, Vercel

- Streams funding rates from 5 exchanges (Binance, Delta, CoinDCX, WazirX, CoinSwitch) and ranks cross-exchange spreads by net return after fees and order-book slippage.
- Normalises each contract to its true funding interval and gives every opportunity an 8-point trust score.
- Paper/live trading engine on live order books, a backtester and a 20+ command Telegram bot; 130+ unit tests.

CAOS – ITR & GST Filing Simulator | 7th-Semester Major Project (team of 2) **Aug 2026 – Present**
Next.js 15, Express, TypeScript, Prisma, PostgreSQL, FastAPI ML service, Jest, Docker

- Built the whole backend of a gamified ITR-filing trainer: a tax engine for both regimes for AY 2024-25 and 2025-26 (slabs, HRA, capital gains, surcharge, cess, 87A), attempt scoring and PDF feedback reports.
- Designed 30+ Prisma models on PostgreSQL, JWT auth with refresh-token rotation, gamification (XP, streaks, leaderboards) and a GST module with input-tax-credit reconciliation, tested with Jest.

Doctor Copilot | AI Healthcare Platform **Apr 2026 – May 2026**
React, FastAPI, PostgreSQL, OCR, LLM APIs, Vercel, Railway

- Built a process-once pipeline that turns medical records into structured data feeding 5 workflows (dashboards, timelines, insights, chat, reports), with role-based access and consent-driven sharing. Cut documentation effort by 25%.

Lexara Air | AI Accessibility Platform **Mar 2026**
Next.js, FastAPI, GPT-4 Vision, Tesseract OCR, Text-to-Speech, Redis, AWS

- A 6-stage pipeline that turns exam PDFs into dyslexia-friendly, step-by-step lessons in 9+ Indian languages.

Brain Tumor Detection | Explainable Medical AI **Mar 2026**
PyTorch, EfficientNet-B0, Grad-CAM, Streamlit

- EfficientNet-B0 + attention: up to 93% accuracy on 4 classes (7,200 MRIs), with Grad-CAM and Monte Carlo Dropout.

Skills & Achievements

Programming: Python, TypeScript, JavaScript, SQL, C++ **Spoken:** English, Hindi, German (learning)
Backend & Web: Next.js, React, Vite, Tailwind CSS, AG Grid, Node.js, Express, FastAPI, Prisma, REST APIs, SaaS
AI / ML: Machine Learning, Deep Learning, PyTorch, Scikit-learn, Computer Vision, NLP, Explainable AI, LLMs, RAG
Data & Cloud: PostgreSQL, MySQL, SQLite, Redis, AWS, GCP, Railway, Vercel, Docker
Tools: Git, Linux, Postman, Jest, Agile/Scrum, LangChain, FAISS
Achievements: Silver Medalist for Academic Excellence; Top 20 Finalist at CodeFiesta 4.0
Certifications: Machine Learning Specialization (Stanford, Andrew Ng); CS50 Python (Harvard); GenAI & Agentic AI (Udemy)