# Kevin Doshi

602-214-2862 | kevindoshi17@gmail.com | linkedin.com/in/kvndoshi | github.com/Kvndoshi | kvndoshi.vercel.app

## Summary

Building @TwinYou (stealth) | Ex- AI Engineer @The Luminosity Labs | Ex- SDE @DDI-ASU | Ex-ISRO (Indian space and research organization) | DEVELOPER | 5x Hackathon Winner (Including Microsoft and Minimax)

## EDUCATION

**Arizona State University** | ***M.S., Computer Science*** **(GPA: 4.00)** **Tempe, AZ, USA Aug 2024 - May 2026**

**Indus University** | ***B.Tech, Computer Engineering*** **(GPA: 3.76)** **Ahmedabad, India Jul 2020 - Jul 2024**

## PROFESSIONAL EXPERIENCE

### The Luminosity Lab (ASU) — Feb 2026 - May 2026
*AI/ML Engineer* — *Tempe, AZ*

- Building an **AI-powered talent acquisition platform** that processes video data and multi-source behavioral datasets using computer vision and ML inference pipelines, automating candidate identification and improving prospect evaluation accuracy by **~35%.**
- Developing a full-stack analytics suite with **CRM integration**, interactive dashboards, and automated reporting - engineering the backend in Python and FastAPI for data ingestion, feature extraction, and real-time model inference serving evaluation insights to non-technical staff.

### Digital Discovery Initiative (ASU) — Feb 2025 - May 2026
*Software Development Engineer* — *Tempe, AZ*

- Engineering automated **photogrammetry** pipelines using Reality Capture, Agisoft Metashape, and Python to generate **sub-centimeter-resolution 3D models** of lunar terrain, Antarctic landscapes, and meteor crater sites spanning **300+ km² of terrain**.
- Delivered 200+ high-fidelity 3D reconstructions to a Unity development team for VR-based scientific visualization, enabling NASA-affiliated researchers to conduct remote terrain analysis and reducing field visit requirements.

### Indian Space and Research Organisation (ISRO) — Jan 2024 - Aug 2024
*AI/ML Researcher* — *Ahmedabad, India*

- Developed **semantic segmentation models** in PyTorch (U-Net + EfficientNet) on **5,000+ OpenEarthMap images** (2.2M annotated segments, 44 countries) using **transfer learning**, achieving **73% mIoU** on **Cartosat-3 satellite imagery** at **0.25m resolution**.
- Built a **weather-focused LLM agent** integrating **ISRO satellite datasets** and APIs via LangChain with RAG, improving weather query accuracy by ~20% over baseline keyword retrieval across 1,000+ test queries.
- Automated a **satellite image pipeline** using GDAL, QGIS, and Python for **pansharpening, radiometric correction, and batch inference** on 3,200+ multispectral images, eliminating manual processing and accelerating **change detection workflows by 3×**.

### Dhrumin Gas Service — May 2022 - Jan 2024
*MLOps Engineer* — *Ahmedabad, India*

- Built a **multilingual OCR** automation tool using computer vision to digitize 15,000+ handwritten English and Gujarati records at 92% character-level accuracy, deployed via a Flask web application and achieving a 4× improvement in data entry throughput.
- Implemented a **route planning and driver management dashboard** in Flask, optimizing delivery scheduling across **200+ daily stops** and reducing average delivery time and fuel costs by **~25%** through real-time **route monitoring and performance analytics**.

## TECHNICAL SKILLS

- **Specializations:** Machine Learning, Deep Learning, Artificial Intelligence, Computer Vision, Natural Language Processing, Generative AI, Large Language Models (LLMs), Multi-Agent Systems, Agentic AI, MLOps, Reinforcement Learning
- **Programming & Development:** Python, Java, C/C++, JavaScript, Embedded C, HTML/CSS, Bash, SQL
- **Frameworks & Tools:** PyTorch, TensorFlow, Keras, LangChain, LangGraph, OpenAI, HuggingFace Transformers, OpenCV, scikit-learn, XGBoost, Pandas, NumPy, Matplotlib, Seaborn, AWS (SageMaker, S3), GCP, Docker, Kubernetes, Git, CI/CD, MLflow, Weights & Biases, REST APIs, MongoDB, Flask, FastAPI, Streamlit, React, Next.js, GDAL, QGIS, Reality Capture, Agisoft Metashape, Unity
- **Techniques:** Semantic Segmentation, Predictive Modeling, Classification, Regression, Clustering, Feature Engineering, EDA, Data Mining, RAG, Prompt Engineering, Fine-Tuning, Vector Databases, Transfer Learning, Hyperparameter Tuning, Photogrammetry, NeRF, TinyML, A/B Testing, Model Monitoring
- **Certifications:** ML Specialization (DeepLearning.AI, Stanford), Generative AI with LLMs (DeepLearning.AI, AWS), Sequence Models (DeepLearning.AI), Data Analytics on AWS (AWS - Coursera)

## PROJECTS & ACHIEVEMENTS

**Twin You** | https://twinyou.vercel.app
***stealth startup- Browser extension, Supermemory.***

- Building a privacy-first AI agent using local embeddings and ChromaDB for persistent memory via RAG, autonomously navigating browsers and executing web tasks on-device with zero cloud dependency.

**Vimero** | https://github.com/cagarwal27/Vimero
***Winner (Minimax Track), AI Valley x Afore Capital - MiniMax, ElevenLabs, rtrvr.ai, Convex***

- Built an AI-driven sales outreach platform that retrieves prospect data, generates personalized call scripts via LLMs, and synthesizes realistic voice content - built and demoed end-to-end within 6 hours.

**Distill** | https://github.com/Kvndoshi/hackazona
***1st Place, HackAzona @microsoft, cognite, vensureHR***

- Developed a browser extension that provides real-time speech translation across multiple languages, with seamless integration for web conferencing platforms like Google Meet.

**Air Drums** | https://airdrums.vercel.app/
***1st Place, Smart India Hackathon - 1st Place, IDEATHON | IMU Sensors, Deep Learning, TinyML***

- Developed a virtual drum system using IMU sensors and a custom deep learning model for real-time 3D motion tracking with sub-20ms latency - won two national-level hackathons.

## LEADERSHIP

### Head, Robotics Club- Indus University — Aug 2021 - Aug 2022

- Led 50+ members, organized workshops and inter-university robotics competitions, mentored junior members who went on to win hackathons.