

# Moksh Doshi

India | doshimoksh3@gmail.com | +91 7400969000 |

linkedin.com/in/mokshdoshi2925/ | github.com/mokshdoshi2005/

## Technical Skills

---

**Languages:** Python, JavaScript, HTML5/CSS3, SQL, Bash Scripting

**Technologies:** Insonmia, Git, Git Actions, Postman, PyTest, Figma, Latex, SQLite, PostgreSQL, MongoDB, Docker, Redis, JWT

## Projects

---

**Agentic Financial Toolkit (MCP Server)** | MCP, asyncio, FastAPI, Regex, Pytest (GitHub)

- Engineered asynchronous MCP server enabling LLMs to perform advanced financial document analysis.
- Constructed modular tool suite (analyze\_document, extract\_terms, risk\_assessment) with API-agnostic architecture supporting seamless upgrades from regex to ML-based extractors.
- Built high-precision data extraction engine utilizing pattern matching to parse monetary amounts, interest rates, and contractual entities from unstructured documents

**AI-Generated Image Detection System** | PyTorch/TensorFlow, ResNet-50, (ipynb)  
Grad-CAM, OpenCV, Computer Vision

- Achieved 93% accuracy detecting synthetic images using ResNet-50 with Grad-CAM explainability on 190K image dataset.
- Engineered a balanced dataset of 190,000 images with preprocessing pipeline including normalization and augmentation techniques to enhance model generalization.
- Implemented Grad-CAM visualization for model explainability, enabling transparent identification of image manipulation artifacts for forensic analysis.

**Smart Product Pricing Prediction System** | Scikit-learn, Pandas, NumPy, NLP, (GitHub)  
Image Processing, Feature Engineering

- Developed ML pricing model for 75K+ e-commerce products using text and image features.
- Designed and optimized pricing model evaluated on SMAPE metric (Score:48.4), handling complex relationships between product attributes, brands, and specifications

## Leadership Experience

---

**Co-Lead Technical Team, EDU4U CLUB** Aug 2024 – Aug 2025

- Ensured 99.7% system uptime across 3 major events by implementing systematic code review processes and automated testing protocols that prevented critical failures.
- Mentored 4 junior technical team members through hands-on training sessions, resulting in a 35% improvement in their skills and enabling them to independently manage critical technical components at subsequent events.

## Achievements & Extra Curricular Activities

---

- 1st Place winner HackForIndia Hackathon by AiXplain & hackerearth, May 2025.
- Top 10% in Amazon ML challenge 2025.
- **Certification:** OCI Developer Professional, OCI Data Science Professional - Oracle, 2025

## Education

---

**VIT Bhopal University, B-Tech in Computer Science**

Sept 2022 – Sept 2026