

HEMANT GHUGE

AI Engineer & Product Thinker

Email: hemantgghuge@gmail.com | LinkedIn: [linkedin.com/in/hemantghuge](https://www.linkedin.com/in/hemantghuge)

GitHub: github.com/hemantghuge | Location: India

PROFESSIONAL SUMMARY

Senior AI Engineer with 5+ years of experience developing and deploying large-scale computer vision and machine learning solutions. Proven track record of delivering AI systems across 9000+ ATMs and 1200+ retail locations, impacting millions of daily transactions. Currently transitioning into product management, combining deep technical expertise with growing product sense.

PROFESSIONAL EXPERIENCE

Senior AI Engineer 2024 - Present

- â€¢ Leading GenAI product development initiatives
- â€¢ Managing cross-functional product teams
- â€¢ Defining product roadmap and strategy
- â€¢ Mentoring junior engineers and product team members

AI Engineer 2020 - 2024

- â€¢ Deployed AI systems across 9000+ ATMs and 1200+ stores
- â€¢ Developed edge AI solutions for real-time processing
- â€¢ Optimized computer vision models for production environments
- â€¢ Led technical architecture and system design decisions

Software Engineer 2018 - 2020

- â€¢ Developed full-stack web applications
- â€¢ Implemented ML models and data pipelines
- â€¢ Designed scalable software architectures
- â€¢ Collaborated with cross-functional teams

KEY PROJECTS

ATM Vision System

- â€¢ Computer vision solution deployed across 9000+ ATMs
- â€¢ Real-time transaction monitoring and security enhancement
- â€¢ 99.7% accuracy rate with 40% reduction in security incidents

Pickup Assist GenAI

- â€¢ GenAI-powered product for optimizing pickup operations
- â€¢ 30% efficiency improvement across 1200+ retail locations
- â€¢ Led cross-functional product development and strategy

Fire Rescue System - ICCUBEA Best Paper Award

- â€¢ Automated fire rescue system for high-rise buildings
- â€¢ 60% reduction in emergency response time
- â€¢ 98.5% accuracy in fire detection and location

TECHNICAL SKILLS

AI & Machine Learning:

TensorFlow, PyTorch, OpenCV, Computer Vision, Deep Learning, Edge AI

Programming Languages:

Python, JavaScript, C++, SQL, MATLAB