

KUNAL GAIKWAD

8928008966 | [LinkedIn](#) | [GitHub](#) | Kunal.gaikwad06@outlook.com

Based in India; prior UK experience, requires Skilled Worker Visa sponsorship; immediate relocation ready.

SUMMARY

AI/ML Engineer with 5+ years' experience translating applied research into production-grade AI systems across NLP, computer vision, and agentic AI workflows. MSc (Distinction) in Artificial Intelligence from Sheffield Hallam University with UK research experience in vision-based analytics. Proven track record delivering scalable ML solutions, LLM-powered pipelines, and automation tools with measurable accuracy, efficiency, and ROI gains.

TECHNICAL SKILLS

Python, TensorFlow, PyTorch, HuggingFace, Scikit-learn, Transformers, RAG, LLM Integration, Agentic AI Workflows, NLP (BERT/SpaCy), Computer Vision (YOLO, CNNs), MLOps (AWS SageMaker, Docker, REST APIs), Cloud Deployment (AWS, Azure, GCP), Data Visualisation (Pandas, Plotly, PowerBI), Agile Collaboration, Research-to-Deployment Engineering.

WORK EXPERIENCE

Freelance AI Engineer | Borehamwood, UK

October 2023 – October 2025

Freelancing alongside part-time/non-technical work during relocation and post-study period. Built end-to-end AI solutions as a freelance engineer while based in the UK/India.

- Delivered end-to-end AI systems for clients across NLP and vision—RAG pipelines, resume parsers, and CNN-based classification achieving 95%+ accuracy.
- Prototyped multi-step agentic AI workflows integrating LLMs with external APIs for autonomous task orchestration and reasoning.
- Engineered retrieval-augmented Q&A systems with transformer models, cutting domain query resolution time by 70%.
- Deployed Python-based automation tools to production, ensuring stability and modularity under cloud constraint environments.

Amazon | FC Associate | Doncaster, UK

July 2024 – October 2025

Non-technical role during relocation period, focused on operational excellence in a high-throughput environment.

- Maintained process discipline in high-throughput logistics operations, achieving 100% safety compliance and productivity SLAs during relocation phase.

Research Associate – Sports Engineering Research Group, UK

Jul 2023 – Oct 2023

- Built high-accuracy pose estimation and tracking models (YOLO + AutoML) improving motion analysis accuracy by 92%.
- Reduced processing time by 25% through ROI-optimised inference pipelines at TRL 4–6, bridging academic research and commercial deployment.
- Co-authored internal reports on AI performance metrics and reproducible model evaluation protocols.

Machine Learning Engineer – Quantiphi Analytics Pvt Ltd, India

May 2021 – Aug 2022

- Directed development and deployment of NLP models (BERT/LLMs) for insurance claim adjudication, raising accuracy by 68% and throughput by 80%.

- Modernised ML infrastructure using Docker and SageMaker, cutting model iteration cycles by 40%.
- Guided cross-team adoption of predictive models for high-volume claims systems, contributing to multi-million-pound operational savings.

Software Engineer, Winjit Technologies Pvt Ltd, India

Aug 2018 – Apr 2021

- Architected and delivered enterprise-grade computer vision and NLP solutions (OpenCV, TensorFlow), improving client accuracy by 50% and slashing manual errors to 5%.
- Deployed ML APIs on AWS for real-time defect detection and OCR systems used by manufacturing clients.
- Spearheaded internal R&D prototypes advancing TRL 3–6 project maturation.

EDUCATION

Sheffield Hallam University, Sheffield, UK (Sept 2023)

MSc Artificial Intelligence (Distinction), specialising in computer vision, deep learning and applied ML. Dissertation and research conducted with the Sports Engineering Research Group (SERG) on vision-based performance and motion analysis.

Sinhgad College of Engineering, Pune (Jun 2018)

Bachelor's in Information Technology

- Solid foundation in Python, machine learning libraries, data structures, Git, and database management systems.
- Knowledge of computer networks, OS, software engineering principles, ethical AI, and reinforcement learning.

INTERPERSONAL SKILLS

- Cross-functional team leadership and mentoring
- Strong analytical and problem-solving skills
- Strategic decision-making and stakeholder management
- Self-motivated, innovative, and organized
- Excellent communication and presentation skills

CERTIFICATION

- PGDM in Machine Learning and AI - IIIT Bangalore, India (June 2021)
- IBM Data Analyst Professional Certificate – Coursera (2024)
- IBM Generative AI for Data Scientists Specialisation – Coursera (2024)
- Continuous learning: Latest LLM developments, agentic AI frameworks, and production ML best practices

THOUGHT LEADERSHIP & PROJECT IMPACT

- Mentored junior ML engineers and guided adoption of reproducible ML practices.
- Delivered internal presentations on LLM orchestration, agentic AI frameworks, and scalable model deployment.
- Actively exploring Microsoft Copilot Studio and Foundry integrations for applied R&D scenarios.