Kajal Pawar

Indore, Madhya Pradesh   kajal03.pawar@gmail.com   +91-7489972933   linkedin.com/in/kajalpawar03   github.com/Kajal-p03

Education

Indore Institute of Science and Technology, Indore	2022 – 2026
B.Tech in Artificial Intelligence and Machine Learning	CGPA: 7.85
Shiksha Academy, Siltiya, Khandwa	2022
Higher Secondary Education (PCM)	Score: 81%
Bhandari Public School, Khandwa	2020
Secondary Education	Score: 93%

Projects

Driver Behavior Profiling & Predictive Maintenance for EV Fleets

Developed machine learning pipelines for EV fleet analytics, including driver behavior classification, predictive maintenance, and vehicle health monitoring. Built workflows on telematics data and integrated results into interactive dashboards for fleet management.

Technologies: Python, Pandas, Scikit-Learn, Random Forest, XGBoost, SMOTE

Real-Time Audio/Text to Indian Sign Language (ISL) Translator

Built a web platform translating spoken or typed input into ISL gesture animations, facilitating inclusive communication between deaf and hearing users.

Technologies: Python, NLP (Tokenization, POS Tagging, Lemmetization), Django, SpeechRecognition(WebKit)

Symptom-Based Disease Prediction System

Built a web-based platform to predict diseases from user-reported symptoms using supervised machine learning models. Designed an intuitive interface for seamless interaction and integrated the model into a full-stack application.

Technologies: Python, Random Forest, FastAPI, SVC, Kaggle dataset

Experience

Automation Engineer Intern, AlphaNexis Tech LLC

Developed an AI automation system that scans product review QR codes to automatically generate and post authentic review content, enhancing user engagement and supporting the company's e-commerce platform.

Machine Learning Intern, Suvidha Foundation

Designed and implemented a Transformer-based multi-document text summarization model that generates coherent and concise summaries from multiple text inputs, improving information retrieval and readability.

Core Member, AI-ML Club, Indore Institute of Science and Technology

- Conducted hands-on workshops and seminars on Python, Machine Learning, and AI tools for junior students, improving engagement and technical understanding.
- Collaborated with faculty and peers to organize hackathons and technical sessions promoting innovation in AI-driven research and projects.

Skills

Languages: Python (NumPy, Pandas), SQL(MySQL)

AI/ML: Machine Learning Algorithms, Generative AI, Large Language Models (LLMs), RAG, Agentic AI, Scikit-learn, TensorFlow, PyTorch, Keras, NLP, Computer Vision, Deep Learning, Feature Engineering

Data Analysis & Visualization: Exploratory Data Analysis (EDA), Statistical Analysis, Matplotlib, Seaborn, Plotly

Tools & Platforms: Jupyter, VS Code, Google Colab, Hugging Face, OpenAI, LangChain

Soft Skills: Problem-Solving, Analytical Thinking, Communication, Leadership, Team Collaboration, Decision Making, Solution-Oriented Mindset, Public Speaking

Certifications and Achievements

- Google Cloud – Introduction to Generative AI, Introduction to Large Language Models, Introduction to Responsible AI, Prompt Design in Vertex AI (Aug'25), TATA Forage – GenAI Powered Data Analytics Job Simulation (Jul'25), Nvidia – Anomaly Detection (May'25), IBM – Data Science and Methodologies (Mar'25), AI for Everyone (Aug'24), Accenture – Data Analytics and Visualization (Jul'24)
- Hackathons: Agentic AI Hackathon by Google (2025), Amazon ML Challenge (2024), Walmart Sparkathon (2025), Internal Research Conference (2024), Smart India Hackathon (2023–24)