

NIZAMUDDIN MANDEKAR

AI ENGINEER

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CAREER SUMMARY

Aspiring AI engineer with experience in chatbots and ML projects. Skilled in Python, FastAPI, React.js, NLP, transformers, and LLMs. Familiar with Hugging Face, OpenAI, and prompt engineering. Eager to apply and grow in real-world AI applications.

EDUCATION AND CERTIFICATION

MSc (Artificial Intelligence) | B.K. Birla College, Kalyan (**9.26 CGPA**)

2025

BSc (Information Technology) | B.K. Birla College, Kalyan (**9.27 CGPA**)

2023

Certifications: **Deep Learning (2025)** | **Machine Learning (2024)** - by **L&T EduTech**

TECHNICAL SKILLS

Python, Basic Java, SQL, MongoDB, Machine Learning, Deep Learning, Generative AI, NLP, LLMs, Transformers, Prompt Engineering, TensorFlow, PyTorch, React.js, FastAPI, HTML, CSS, JavaScript, GitHub, GitLab

WORK EXPERIENCE

Jr. AI Engineer | SAAR IT RESOURCES PVT.LTD.

August 2025 – Present

- Currently working on WhatsApp integration using FastAPI, Meta's WhatsApp Business API, and Ngrok to establish webhook communication for chatbot query handling.
- Contributed to a multilingual government chatbot using FastAPI, React.js, and LangChain for real-time voice/text queries in Marathi, Hindi, and English. Integrated a RAG pipeline with TF-IDF and Groq LLM for accurate, context-aware responses. Implemented Whisper and GTTS for speech-to-text and text-to-speech functionality.

AI Intern | SAAR IT RESOURCES PVT.LTD.

May 2025 – August 2025

- Developed backend services with Redis, Docker, and WebSockets for real-time query tracking and chat history export.
- Technologies used: FastAPI, React.js, LangChain, Groq, Whisper, GTTS, Redis, Docker, WebSockets, TF-IDF, BERT, RoBERTa.

ML Intern | CLOUD COUNSELAGE PVT. LTD. (Remote)

July 2024 - August 2024

- Completed ML tasks: preprocessing, training, evaluation.
- Participated in weekly review meetings to present progress, receive feedback, and collaborate.

PROJECTS

- **AI Image Detector (Final-Year Project)**

Classifies real vs. AI-generated images (92%+ accuracy).

GitHub: github.com/NizamuddinMandekar/ImageDetector

HuggingFace: huggingface.co/spaces/NizamuddinMandekar/ImageDetector

PUBLICATIONS

- **Mandekar, N.** (2025). *AI vs Reality: Classifying Synthetic Faces with a Fine-Tuned ResNet50 Neural Network*. *International Journal of Innovative Science and Research Technology (IJISRT)*, 10(7), 809–816.
DOI.: doi.org/10.38124/ijisrt/25jul706
- **Mandekar, N.** (2023). *A Survey of Virtual Machine system: Current Technology*. *International Research Journal of Modernization in Engineering Technology and Science (IRJMETS)*.
DOI.: doi.org/10.56726/IRJMETS30061