

Divyansh Maewal

maewal.divyansh@gmail.com — +91 8887531844 — Kanpur, Uttar Pradesh, India

Professional Summary

Results-driven engineer specializing in AI/ML, with hands-on experience in technical development, scalable learning solutions, and data-centric product ownership.

Technical Skills

- Python, C/C++, JavaScript, Bash
- PyTorch, Hugging Face, Langchain, FAISS, Flask
- OpenAI API, REST APIs, Docker, Linux, Git
- MongoDB, MySQL, Oracle, Apache Hadoop

Experience

Shuddhi Kalaa, Pune

Feb 2024–Jan 2025

Developer & Tech Lead

- Led technical development for company website; managed full lifecycle and robust integration.
- Authored technical and investor reports for data-driven solutions.

Angle.Services, Pune

Jan 2023–Feb 2024

Developer

- Designed/deployed scalable, responsive web platforms for diverse clients.

Projects

RAG Voice agent

- Engineered a multimodal voice RAG agent.
- Executed full-stack model migration.
- Optimised user experience & deployment.
- Implemented advanced context retrieval.
- Improved retrieval benchmarks and validate search performance.

Autonomous Chess AI Agent

- Built agent leveraging LLMs for autonomous decision-making in complex games.
- Engineered real-time adaptive loops and integrated reinforcement/supervised learning for gameplay.
- Managed data preprocessing for game state representations using Python and FAISS indexing.
- Evaluated model strategies with A/B testing and improved tactic accuracy through iterative tuning.
- Documented project outcomes for academic presentation and external code review.

Professional Interests

- Scalable AI architectures, NLP, generative modeling
- Kaggle ML competitions, open-source contributions

Key Achievements

- Improved search accuracy by 25% with hybrid retrieval
- Chess AI agent surpassed tactic rating of 2100

Education

- Data Science Certification (in progress), Daksh Gurukul, IIT Guwahati
- B.Des, UX/UI, MIT Pune (8.4 CGPA, 2023)
- 12th ISC (PCM, Comp): 60% — 10th ICSE (Sci, Comp): 85%