

Omprakash Chaure

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Summary

Recent B.E. (AIML) graduate and AI/ML Engineer Intern with hands-on experience building LLM-powered applications, embedding-based retrieval, and real-time Computer Vision and Deep Learning systems. Skilled in Python, PyTorch, TensorFlow, OpenCV, HuggingFace, LLM APIs, Prompt Engineering, RAG, Vector Search, and Deepgram STT, with a track record of taking models from prototype to production.

Technical Skills

Languages: Python, C++, SQL

Machine Learning: Machine Learning, Deep Learning, Computer Vision, NLP, Model Training & Evaluation

Frameworks/Libraries: PyTorch, TensorFlow, scikit-learn, HuggingFace, OpenCV, MediaPipe, Flask

LLM Systems: LLM APIs (Groq, Llama 3.3 70B), Prompt Engineering, RAG, Embeddings, Vector Search (pgvector), Deepgram STT

Tools/Cloud/Databases: Git, GitHub, AWS, MongoDB, PostgreSQL, Jupyter, Google Colab

Data Analysis: Pandas, NumPy, Matplotlib, Seaborn

Experience

Trivim Techno Crafts Pvt. Ltd. – Pune, India

Apr 2026 – Present

AI-ML Engineer Intern

- Collaborating with the engineering team at Trivim Techno Crafts Pvt. Ltd. to design and apply AI/ML solutions to real-world business problems as part of a structured internship program.

TeknoSolve – Pune, India

Feb 2025 – Aug 2025

AI Engineer Intern

- Developed a real-time computer vision module for interview analytics using OpenCV and MediaPipe to track gaze, blink, and facial engagement signals.
- Implemented landmark-based gaze detection achieving 92%+ attention monitoring accuracy for candidate behavior analysis.
- Designed and optimized a video inference pipeline processing live camera streams at 30+ FPS and integrated it into the production evaluation platform.

Projects

JobQuick – LLM-Powered Job Matching Platform

Python, Flask, Groq LLM (Llama 3.3 70B), JobSpy, MongoDB, HTML/CSS/JS

- Built an LLM-powered job-matching application recommending 50+ real jobs from LinkedIn/Indeed/Glassdoor via JobSpy scraping.
- Used prompt-engineered Groq LLM calls to parse resumes (PDF/DOCX) into structured candidate profiles, extracting skills/experience at 90%+ accuracy.
- Implemented ATS scoring (0–100%) and company ranking (15+ companies); optimized deduplicated search to process 40–50 jobs in <90s.

Autodim – Deterministic DXF Auto-Dimensioning Pipeline

Python, ezdxf, PostgreSQL, pgvector, kNN Retrieval

- Building a local pipeline that auto-generates dimension annotations for un-dimensioned DXF CAD drawings, matching house style from reference drawings; every coordinate is computed deterministically (no LLM coordinate generation) by an ezdxf-based placement module.
- Built a feature-descriptor pipeline that mines already-dimensioned DXFs as labeled data, using embedding-style descriptors and kNN retrieval (PostgreSQL + pgvector) to reuse dimensioning decisions for similar features.

Lip Reading System – Deep Learning

Python, PyTorch, OpenCV, CNN, LSTM

- Built a visual speech recognition system predicting spoken words from lip movements, extracting mouth-region frames with OpenCV into temporal sequences for model input.
- Implemented CNN feature extraction with LSTM sequence modeling in PyTorch; trained and evaluated on labeled datasets, achieving 76–78% word prediction accuracy.

Education

Alard College of Engineering and Management – Pune, India

B.E. in Artificial Intelligence and Machine Learning

CGPA: 7.61 (First Class)

Final Year SGPA: 8.80

Certifications & Leadership

- AWS Academy Cloud Foundations – Cloud fundamentals, AWS core services
- E-Cell IIT Bombay (Campus Ambassador) – entrepreneurship events promotion and coordination
- Entrepreneurship Awareness Program (IIT Kanpur) – startup fundamentals and frameworks
- Machine Learning Live Training Program – EdTech Pvt. Ltd., 30 hours (Jan 2025)