Saurav Kamtalwar

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SUMMARY

AI & Data Science graduate and software engineer with 2+ years of experience across **Generative AI, Machine Learning, Recommendation Systems, Computer Vision, and Data Engineering**.

TECHNICAL SKILLS

AI / ML: Machine Learning, Deep Learning, Recommendation Systems, Retrieval, Content-Based Filtering, Model Training, Model Evaluation, Feature Engineering

Generative AI: Generative AI, LLM Applications, Prompt Engineering, Semantic Retrieval, Embeddings, Vector Databases, AI Agents, Agentic Workflows, Multimodal AI

Computer Vision: Face Detection, Face Recognition, Face Embeddings, KNN Classification, Image Understanding, Vision-Language Models, OCR

AI / Backend Engineering: REST APIs, Flask, Streamlit, API Integration, Docker, Git, GitHub, AWS

Programming: Python, SQL, Dart, JavaScript, C++, Java

Software Engineering: Flutter, Firebase, Android, iOS, API Integration, Application Development

PROFESSIONAL EXPERIENCE

Oneture Technologies — **Sep 2025 – Present**

AI / Software Engineer — *Mumbai, India*

- Built a **personalized recommendation system POC**, using user responses and product preferences to generate relevant product recommendations.
- Worked on **data engineering workflows** involving SQL, data processing, transformation and Databricks-based development.
- Completed the company's **Databricks Data Engineering certification** as part of its internal certification initiative.

Heavystacks Solutions Pvt Ltd — **May 2025 – Present**

Founder / AI & Software Engineer — *Mumbai, India*

- Built **QuickPosters**, a SaaS poster and flyer platform with **1,500+ Users**, integrating **Imagen 4 and FLUX** for generative image creation.
- Developed a **preference-aware retrieval workflow** using semantic search and vector representations to personalize generated visual content.
- Built a multimodal **VLM validation and evaluation workflow** to assess generated-image quality, message alignment and content suitability within an agentic AI pipeline.

Futurescape Technologies Pvt Ltd — **Jan 2025 – May 2025**

Software Engineer / AI Engineer — *Navi Mumbai, Maharashtra*

- Worked on **ONEAPP**, a society management and payments platform serving **50,000+ users**.
- Built a **computer vision face-recognition workflow** using face detection, face embeddings and KNN / distance-based matching for returning visitors.
- Integrated the AI workflow into the production application alongside Flutter, APIs, Firebase and native Android/iOS components.

Global One — **Aug 2024 – Jan 2025**

Software Engineer / Machine Learning Engineer — *Mumbai, India*

- Developed a **personalized OTT recommendation system** for movies and shows using retrieval, SVD, KNN and content-based filtering.
- Trained an **XGBoost ranking model** to rank retrieved candidates and improve personalized recommendation ordering.
- Worked across the recommendation pipeline from **candidate retrieval and generation to ranking**, integrating ML recommendations into the OTT application.

EDUCATION

Vishwakarma Institute of Technology — **Aug 2020 – Jul 2024**

B.Tech in Artificial Intelligence and Data Science – ***8.7 CGPA*** — *Pune, India*

CERTIFICATIONS & ACHIEVEMENTS

Databricks Data Engineering Certification – Completed through Oneture Technologies' internal certification program.

Health-Hacks: 2nd Runner-up in a National Level Hackathon.

GATE Qualification: Qualified GATE during the 3rd year of engineering.