

DEVDATTA TALELE

+91 9370091896 | taleledevdatta@gmail.com | Dadar, Mumbai

 devdattatalele.me | [LinkedIn](#) | [Github](#)

About Me

Student at the University of Mumbai, specializing in Computer Vision and Machine Learning. Passionate about bridging art and technology through innovative solutions, particularly in AI-driven systems, image processing, and LLM-based applications. Experienced in TensorFlow, RAG-based architecture, fine-tuning large language models (LLMs), and secure data processing techniques.

Technical Skills

- **Machine Learning & LLM Development:** RAG Implementation (Langflow, NVIDIA Embeddings), Model Deployment & Fine-tuning (instruct-tuning). Unsloth Frameworks, Dialogflow CX.
 - **Computer Vision:** Deeplab v3+, Mask R-CNN, YOLO v9- OCR Frameworks, Tinymtl Image processing
 - **Programming:** Python, C++, HTML/CSS, JavaScript,
 - **Backend & API Development:** Flask API, RESTful Services, Local LLM Hosting, Git and Git Labs
 - **DevOps & Cloud:** Docker, Cloudflare (Tunneling), Azure, Digital Ocean, Shell
 -
-

Projects

Thingbot - A Fine-tuned LLM Chatbot | [Test Chatbot](#)

- Created a context-aware chatbot using fine-tuned LLMs, integrated with Dialogflow CX and Chatwoot for seamless user interaction. Leveraged NVIDIA AI Workbench for RAG and Unsloth for LoRA optimization.
- **Technologies:** Dialogflow CX, LangChain, NVIDIA AI Workbench, Unsloth, LoRA

HepaScope: Liver Segmentation using DCNN | [Details](#)

- Advanced liver segmentation project using deep CNNs and transfer learning, enhancing CT scan data through preprocessing techniques. Achieved high accuracy in medical image segmentation.
- **Achievements:** Winner of the Joint Duke-Harvard International Hybrid Hackathon

CTR Model in Data Clean Room | [Learn More](#)

- Designed a data clean room system for privacy-preserving CTR prediction using GANs and Azure Confidential Cloud. Focused on synthetic data generation while safeguarding user privacy through secure enclaves and encryption.
 - **Duration:** Jul 2024
 - **Institution:** University of Mumbai
-

Experience

Intern - Thingbits Electronics

Sep 2024 – Oct 2024 | Mumbai, Maharashtra

- Developing “Thingbot,” a context-aware, LLM-based chatbot integrated with Chatwoot and Dialogflow CX.
 - Implemented RAG techniques using NVIDIA AI Workbench and optimized model performance with LoRA and Unsloth frameworks.
 - Designed solutions for automating e-commerce functionalities, enhancing efficiency in cart management and delivery quotations.
-

Publications

HepaScope: Densely Connected UNet for Liver and Tumor Segmentation

- 2025 13th International Conference on Bioinformatics and Computational Biology (ICBCB 2025) (Shortlisted)

Enhancing Privacy in Digital Marketing: Data Clean Room for CTR Prediction

- IEEE International Conference on Emerging Technologies and Applications 2025 (in review)

Education

Vidyalankar Institute of Technology

2023-2027

B.Tech in Electronics and Computer Science

SGPI: 8.28

Achievements

- **Winner:** Live-AI Global Harvard-Duke Hackathon, 2024 [!\[\]\(79de0df6c6ddd2d4eb74f1cc5f48ec50_img.jpg\)](#)
- **2nd Place:** GES x UCLA Hackathon, UCLA University, 2024 [!\[\]\(d4c9768318b38eff1042b07478e20b4c_img.jpg\)](#)

Leadership & Community Involvement

IEEE VIT Tech Head - *IEEE Student Branch, University of Mumbai*

Sep 2023 – Present

GDSC VIT Tech Core Member - *Google Developer Student Club, Mumbai*

Sep 2023 – Present