

# HRITHIK HADAWALE

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AI and ML enthusiast with hands-on experience in developing robust solutions using Python, Django, and machine learning frameworks. With a proven track record of improving system performance and delivering cutting-edge applications in NLP, E-commerce, and CRM systems, I am seeking to leverage my skills as a Python/Django Developer or ML/DL Engineer to contribute to innovative, data-driven projects.

## SKILLS

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- Programming Languages: Python, JavaScript
- Frameworks: Django, Django Rest Framework, Flask.
- Machine Learning: Scikit-learn, TensorFlow, PyTorch, Hugging Face Transformers.
- NLP & LLM: GenAI, LangChain, RAG, Large Language Models (LLM), LangGraph.
- Tools & Technologies: Gradio, Conda, Docker, CI/CD Pipelines, MLOps.
- Databases: PostgreSQL, MySQL, MongoDB, VectorDB.
- Version Control: Git, GitHub
- Cloud Services: AWS (EC2, S3)
- Other: Groq, Ollama, Diffusion models.

## EDUCATION

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- Bachelor of Computer Engineering - University of Mumbai, India, 2023.
  - GPA : 8.2 / 10

## WORK HISTORY

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### ML/DL Engineer

May 2023 – Apr 2024

Himani's CC

- My role allowed me to apply my knowledge and skills in machine learning and deep learning, contributing to various innovative solutions.
- Built and deployed chat applications using Natural Language Processing (NLP) techniques to enhance customer support services.
- Contributed to back-end experience and collaborated on APIs Managed project and web strategic planning for the entire team.
- Developed RAG applications that combined retrieval-based and generative models to enhance information retrieval and content generation.

### Python Developer (Internship)

Feb 2022 – Sep 2022

Himani's CC

- Developed and integrated core features for emailer systems, CRM platforms, and e-commerce websites using Django, enhancing user experience and operational efficiency.
- Contributed to DevOps processes, helping to streamline deployments and automate workflows with CI/CD pipelines using Docker and GitLab, significantly reducing downtime and manual interventions.
- Implemented scalable backend solutions that improved performance and supported rapid business growth.
- Gained hands-on experience in full-stack development, handling both front-end and back-end tasks across multiple projects, while improving skills in database management and API integration.

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## PROJECTS

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### **VTON (Virtual Try On) For E-commerce**

Technologies: Python, Conda, Gradio, OpenCV, Pytorch

- Created a Virtual Try-On system for e-commerce platforms, enhancing virtual try-on authenticity by 40%.
- Demonstrated the model's capabilities through 20+ Gradio demos, improving stakeholder engagement by 30%. - Developed backend and inference pipelines with Python and Conda, boosting processing efficiency by 25%.

### **Text-generative model**

Technologies: Pytorch, Python

- Implemented advanced language models like BERT, Llama 3, and GPT-3, improving text generation accuracy by 15%.
- Documented use cases to enhance model applicability in real-world scenarios

### **Chatbot for Customer Support Using RAG & LLM models**

Technologies: LangChain, Django, Python, Groq, VectorDB, Pytorch

- Designed a conversational AI chatbot using state-of-the-art Large Language Models (LLM), cutting response time by 40%.
- Utilized Langchain and a Django backend to enhance system scalability by 30%.

### **CRM (E-Commerce)**

Technologies: Django, Rest API, HTML/CSS, PostgreSQL.

- The goal of the CRM project is to develop a comprehensive e-commerce website using the Django framework with HTML and RestFramework.
- The CRM system aims to provide a user-friendly interface for managing customer relationships, inventory, sales, and billing. The project seeks to enhance the efficiency and effectiveness of e-commerce operations by integrating essential features into a centralized platform.

## CERTIFICATIONS

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- **Machine Learning With Mathematics Certification** – AI Society
- **Data Science Course Completion Certification** – SkillVertex

## AWARDS AND ACHIVEMENTS

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- **Smart India Hackathon 2022 Finalist** (AI Domain – Smart Education)
- **ERR\_404 5.0 Hackathon Finalist** – M.H. Saboo Siddik College of Engineering