ADITYA KHEDKAR

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OBJECTIVE

Dynamic tech enthusiast with a strong academic background and ongoing M.Tech studies in AI & ML. Eager to deepen expertise in machine learning, computer vision, and real-time model optimization while gaining hands-on experience in building intelligent systems. Passionate about applying theoretical knowledge to real-world challenges in AI-driven applications and data-centric problem solving.

EDUCATION

M.Tech.(AIML) 2024 - 2026
IIITDM Jabalpur *8.0*

B.Tech.(IT) 2019 - 2023
VIIT Pune *8.93*

SKILLS

Technical Skills	C, C++, Python, JavaScript, Git, Lex, Yacc
Core Concepts	OOP, Data Structures, Algorithms, OS Fundamentals, Computer Vision, Machine Learning
Soft Skills	Problem-solving, Team player, Good Communication, Innovative & optimal design

EXPERIENCE

Project Intern July 2022 - Dec 2022
Kirloskar Pneumatic Ltd. *Pune*

- Collaborated with cross-functional teams to integrate features, enhancing user satisfaction via feedback-driven updates.
- Developed compressor system simulation models using Python to analyze system behavior.
- Optimized and documented Python code for clarity and future troubleshooting & debugging.

Research Intern Dec 2022 - July 2023
VIIT Pune *Pune*

- Developed a real-time facial recognition system using Haar Cascade and LBPH algorithms for security and intruder detection.
- Integrated WhatsApp and email alerts for unauthorized access, enabling real-time monitoring.
- Researched and implemented optimization techniques to enhance model accuracy and efficiency.

PROJECTS

Real-Time Facial recognition system - Built real-time facial recognition with Haar Cascade and LBPH - Added WhatsApp and email alerts for unauthorized access - Optimized recognition models for better accuracy and efficiency

Abstract Text Summarization Used Transformer model for text summarization - Developed self-attention mechanisms - Improved model with pre-processing and tokenization - Evaluated and benchmarked summarization quality

Basic Compiler Used Lex & Yacc - Implemented tokenization, parsing & intermediate code generation.

EXTRA-CURRICULAR ACTIVITIES

Convener - VOL Club IIITDMJ Core Team Member - VEC VIIT Team member - ML Forum VIIT

HOBBIES

Badminton(Competitive) Reading Visiting Holy Places