

# Vedant Deshmukh

Seeking a challenging and dynamic environment where I can apply my skills in Generative AI, Python, and database management to drive business growth and success, while continuously learning and staying up-to-date with the latest advancements in the field

✉ vedantdeshmukh1983@gmail.com

☎ 9765407673

📍 Pune

🌐 [www.vedantdeshmukh1.github.io](https://www.vedantdeshmukh1.github.io)

## WORK EXPERIENCE

### Buildfastwithai

Generative AI Intern

April 2024 - Present

- Design and implement AI agents using frameworks like LangChain.
- Implement retrieval-augmented generation (RAG) systems to enhance LLM contextual understanding
- Working with state of the art LLM's by creating streamline applications by fine tuning LLM's.

### Magpie Learning

Fullstack Website Developer

May 2024 - Present

- Designing and developing a full-stack Ed Tech platform for Magpie Learning using Python Flask as the backend and HTML, CSS, and JS as the frontend.
- Utilized Firebase Firestore as the database to store and manage user data
- Implemented Firebase Authentication for secure user authentication and verification
- Integrated various features to enhance user experience and engagement.

## EDUCATION

### MIT WPU

B.Tech CSE - 9.41 GPA

December 2021 - Present

- Secured the Vishwanath Karad Merit Scholarship covering 100% of the tuition fees for the entire duration of the course.

## PROJECT

### Open Source Contribution in educhain

June 2024

- Contributed to the open source library educhain.
- Integrated the solve doubts using vision capabilities, create questions from various data sources, generate lesson plans and revamped the readme as well.

### One View

December 2023

- Created a group photo sharing platform, where a group of people can click and share photos amongst themselves.
- The full stack project used MongoDB and Python as the backend, and HTML, CSS and JS as the frontend.
- The project also includes a facial clustering algorithm, to simplify the process of finding images, using the DBSCAN model.

### Skillset Sherpa - Your Career Counselling Chatbot

December 2024

- Created a chatbot for career guidance of students using a pre-trained LLM.
- A complete web interface was made using Python Flask as the backend and HTML, CSS as the frontend.
- Used docTR OCR model to extract data from student marksheets, along with the result of the Holland Code (RIASEC) Test to tailor a prompt to be provided to the LLM to work with.
- A research paper is to be published in August 2024 for the same.

## SKILLS

- Languages: Python, C, C++, Shell, MySQL, HTML/ CSS, JS
- Frameworks and Libraries : Scikit-Learn, Pandas, NumPy, Matplotlib, PyTorch, Flask, NLTK, GTTS, Whisper, YOLO, Tensorflow
- Tools and Technologies: Github, MS Excel, Jupyter Notebook, Google Colab, MongoDB Atlas, Notion
- Databases : MySQL, MongoDB, Firebase, Supabase, Pinecone
- OS Experience : Windows ,Linux
- Fine-Tuning LLMS : gpt-4o-mini, LLAMA 3 8b.

## Achievements

- Won the AI for India hackathon July 2024
- Won the HackXMIT-WPU Ideathon and Hackathon 2024
- 2 research papers are accepted and will be published by end of Dec 2025
- Captain of MIT WPU University Cricket Team