

# 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)

## EDUCATION

### MIT WPU

B.Tech Computer Science Engineering - 9.41 GPA December 2021 - Present

- Awarded the Vishwanath Karad Merit Scholarship covering 100% of tuition fees.
- Won the HackXMIT-WPU Ideathon and Hackathon 2024
- Won the AI for India hackathon July 2024

## WORK EXPERIENCE

### Buildfastwithai

Generative AI Intern April 2024 - January 2025

- 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.
- Design and implement AI agents using frameworks like LangChain, CrewAI, and PyAutoGen.

### DAOStreet

Generative AI Intern January 2025 - Present

- Integrate AI-powered features into the existing platform to improve user experience and decision-making.
- Collaborate with industry professionals to design and deploy AI-driven solutions.

### Freelance: MyTechStack.ai

Freelance Developer September 2024- Jan 2025

- Led the initial development of the entire backend and frontend for MyTechStack.ai's platform.
- Integrated advanced AI features such as comprehensive market surveys and Lean Canvas generation using AI Agents.

## PROJECTS

### [Educhain](#) (Open Source Project)

- Contributing and maintaining 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.

### SkillSet Sherpa - Career Counselling Chatbot

- Developed an AI-powered chatbot using LLMs for career guidance based on user inputs.
- Utilized docTR OCR for data extraction from student mark sheets and RIASEC test results for tailored recommendations.
- Published research paper on SkillSet Sherpa (ICT4SD Conference, Aug 2024)

### AI Agents & Agentic Frameworks

- Developed multiple AI agents leveraging Phidata, CrewAI, and PyAutoGen.
- Production-ready applications using vector databases like Pinecone for efficient retrieval.

## 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,Docker.
- Databases : MySQL, MongoDB, Firebase, Supabase, Pinecone
- OS Experience : Windows ,Linux