

Vivek M Kaushik

Aspiring AI/ML Engineer | Building Intelligent Solutions

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PROFESSIONAL SUMMARY

Aspiring AIML engineering student at Vemana Institute of Technology, focused on building intelligent, efficient and scalable systems and models. Eager to contribute to real world AI solutions through innovative thinking. Known for complex problem solving with efficient reasoning and clean coding.

TECHNICAL SKILLS

- **Languages:** Python, Java, C (Basics), HTML, CSS, PHP
- **Domains:** Machine Learning, Deep Learning, NLP, Generative AI
- **AI/ML Tools & Frameworks:** TensorFlow, HuggingFace Transformers, Pandas, OpenCV
- **Data Skills:** SQL, MongoDB, Familiar with distributed systems (Spark/Hadoop).
- **Tools & Visualization:** Power BI, Tableau, VS Code, Jupyter Notebook
- **AI Model Optimization:** RAG, Vector Databases (FAISS, Pinecone), Model Fine-Tuning.
- **Languages Spoken:** English, Kannada, Hindi, Telugu

PROJECTS

1. PATHFINDER: The shoe that sees (Major Project 2025 – 2026)

- A wearable shoe system with ultrasonic sensors and vibration motors. Detects obstacles in real time using sound waves.
- Alerts users with vibrations—stronger when the object is closer. Helps blind users walk safely and confidently indoors and outdoors. Compact, comfortable, and works without a phone or an extra device.
- **Tech Stack:** Arduino, Microcontrollers, IoT

2. RECRUIT-SMART AI: AI-powered career coach | 🔗 [GitHub](#)

- A web-based platform that acts as a personal career coach. Users can upload resumes, job descriptions, or other files for analysis.
- Provides ATS score, missing skills, and suggestions for resume improvements. Recommends suitable companies and prepares users for interviews.
- Offers both simple chat and advanced file-based chat modes for personalized job preparation.
- **Tech Stack:** Python, Streamlit, Gemini AI, OpenAPI

3. DATA INSIGHT HUB: Turn your data into Insights | 🔗 [GitHub](#)

- User can upload an Excel file to the system. The system reads and analyses the data automatically. Performs data cleaning and transformations as needed.
- Creates an interactive dashboard based on the uploaded data. Helps users visualize and understand data easily without coding.
- **Tech Stack:** Python, Streamlit, HTML, CSS, Machine Learning, TensorFlow, Pandas, SQL

EDUCATION

- **Bachelor of Engineering (B.E.) – Artificial Intelligence & Machine Learning**
Vemana Institute of Technology, Bengaluru (Expected 2026) **CGPA:** 8.7
- **Pre-University Course (PUC) – Science Stream**
Mahesh PU College, Bengaluru (Completed 2022) **Percentage:** 66%