Vivek Karadbhajne

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LinkedIn | GitHub | LeetCode

EDUCATION

Bachelor of Technology (B.Tech) in Computer Engineering (AIML) **May 2025**
Yeswantrao Chavan College of Engineering, Nagpur, India
CGPA: 8.9
Coursework: Machine Learning, Deep Learning, Large Language Models (LLMs), Data Analytics.

EXPERIENCE & PROJECTS

Virtual Mental Health Therapist (Final Year Project) (Ongoing)

- Developing a RAG-based AI chatbot fine-tuned to provide polite and calm responses, simulating a mental health therapist.
- The chatbot classifies queries using an LSTM model, maps them to the best-suited domain, and retrieves relevant knowledge chunks from ChromaDB's vector database.
- It integrates user prompts with retrieved domain-specific information and feeds this into a fine-tuned LLM to generate responses.

Intel Unnati Summer Industrial Training Program

Trainee - Remote (June 2024 - Aug 2024)

- Selected for Intel's industrial training program, focusing on developing skills in AI and LLMs to solve real-world problems.
- Fine-tuned the TinyLlama-1.1B-Chat-v1.0 model for hex code generation using a customized burkelibbey colors dataset.

Trainee - Remote (June 2023 - Aug 2023)

- Classified clothing images into 10 categories using Python, TensorFlow, deep learning, and Keras.
- Achieved **92% accuracy** on the test set and presented the project to Intel Unnati Industrial training program mentors.

EXPO Management Application (Marketwise Hackathon - IIIT Nagpur, India) (May 2024)

- Developed an EXPO management application with a **recommendation and forecasting model**.
- Collaborated with team members to create and integrate interactive data visualization dashboards into the application using **Power BI, Excel, and Python**.

TECHNICAL SKILLS

Programming Languages	Java, Python, C/C++, SQL
Frameworks	TensorFlow, Keras, Scikit-Learn, Git, PyTorch
Data Visualization Tools	Power BI, Excel, Tableau, Matplotlib, Plotly
Other Tools	GitHub, MS Office, VS Code, IntelliJ IDEA

ACHIEVEMENTS

- **Hackathon:** 2nd Runner-up at **IIIT Nagpur Hackathon (Udyaan 2024)**, won a cash prize of INR 15,000.

- **LeetCode:** Solved **500+** questions and completed a **365-day streak** using **Java and Python**.

- **Intel Unnati:** Qualified twice for the **Intel Unnati Industrial Training Program** (2023-2024).

- Qualified and completed **PwC's Cloud and Digital Launchpad** program.

- **Academic Excellence:** Achieved a CGPA of **8.9** in B.Tech (CSE - AIML).

- **Leadership:**
  - Elected as **President** for **ICTRD** YCCE student chapter.
  - T & P Student coordinator for CSE (AIML).

SOFT SKILLS

- Analytical Thinking
- Problem Solving
- Teamwork
- Adaptability
- Time Management
- Presentation & Communication

PERSONAL DETAILS

- **Date of Birth:** 6th May 2003

- **Address:** Katol, Nagpur, Maharashtra, India