# Vishal Vijay Khot

B. E. Computer Science

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## OBJECTIVE

To prosper in the field of data science and machine learning and apply data-driven techniques to solve real-world problems by providing innovative solutions.

## EDUCATION

| Year | Degree | Institute | CGPA/Marks |
|---|---|---|---|
| 2025 | Bachelor of Engineering | Pimpri Chinchwad College of Engineering and Research | 9.2 / 10 |
| 2020 | 12th (Maharashtra State Board) | Dr. D.Y Patil College of Science and Commerce | 78.15 % |
| 2018 | 10th (Maharashtra State Board) | Dhaniraj School, Pune | 84.80 % |

## SKILLS / TOOLS

| | | | |
|---|---|---|---|
| **Languages:** | **Databases:** | **Data Engineering Tools:** | **Operating Systems:** |
| C, C++, Python | MySQL, MongoDB | Microsoft Power BI | Linux, Windows |
| **ML / DL Libraries:** | **Platforms:** | **Miscellaneous:** | **Web Development:** |
| Scikit Learn, Pandas, Numpy | GitHub, Hugging Face | Docker, Git, Prompt Engg., | Html, CSS |

## WORK EXPERIENCE

- **AI/ML Intern - Nonstopio Technologies, Pune** (*January 2024 - April 2024*)
  - Worked on employee-employer **recommendation system** using the profile similarity with the company's job requirements using Large Language Models (LLMs).
  - Worked on Generative AI projects, including text generation and image synthesis. Collaborated with cross-functional teams and documented processes.
- **Competitve Programming Team Lead - GFG PCCOER Students Chapter** (*2023 - 2024*)
  - Led a team of competitive programmers, providing mentorship and support.
  - Managed coding resources and facilitated effective communication.
  - Planned and organized coding contests and hackathons.
- **Competitive Programming Team Member - GDSC PCCOER Students Club** (*2023 - 2024*)
  - Contributed to team discussions and strategy planning for contests.
  - Organized coding contests and hackathons.

## PROJECTS

- **Resume Scoring using GenAI**
  - Technologies used: Python, Gemini.
  - Resume scoring using GenAI enhances recruitment by leveraging NLP techniques to optimize screening processes.
  - It involves crafting specific prompts to extract relevant information from resumes, improving candidate-job matching.
- **Obesity Risk Prediction (Kaggle Competition)**
  - Technologies used: Python, scikit-learn, Random Forest Tree.
  - Developed a Machine Learning Model which uses various factors to predict obesity risk in individuals, which is related to cardiovascular disease.
  - Accuracy : **90%**
  - Rank : **1535**
- **Enhancing Learning using Retrieval Augmented Generation** (*Ongoing*)
  - Technologies Used: Python, RAG, Gemini.
  - Enhancing student learning through a Retrieval-Augmented Generation (RAG) model for effective retrieval and summarization of text and video content.
  - Integrating multimodal data to extract key moments from video lectures, improving access to essential educational information.

## COURSES / CERTIFICATIONS

- **Physics Wallah Data Science Masters Course** (*January 2024*)
  - Completed a comprehensive Data Science Master's course with a focus on machine learning, data analysis, and statistical modeling.

## ACHIEVEMENTS

- **2nd rank** in **'Mindquistive Hackathon'** with **'Hospiterminal'** – an web application employing Flask APIs, Html, CSS, MySQL which helps in organizing individual's medical history, so that it can be used easily whenever required.
- **1st Rank** in a coding competition such as **PythoCode and Bro-Code**, organised by Pimpri Chinchwad College of Engineering and Research.
- **Finalist** in MahaTPO, Code Garage and Enigma Wars, coding competitions organized by various colleges.