

VIVEK PRAKASH UPRETI

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Professional Summary:

AI/ML enthusiast with internship experience across data science, model building, and real-world analytics, strengthened by formal AI training and hands-on project execution. Skilled in Python, ML workflows, and analytical thinking. Looking to drive value in forward-looking teams seeking intelligent, data-driven innovation.

Key Skills:

- **Programming Languages:** Python, SQL
- **Machine Learning & Data Science:** TensorFlow, Keras, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn
- **Generative AI:** Prompt Engineering, OpenAI API
- **Developer Tools & Version Control:** Git, GitHub, Jupyter Notebooks, Google Colab
- **Soft Skills:** Problem Solving, Communication, Teamwork & Collaboration, Adaptability, Articulation

Projects:

Generative AI Conversational Assistant– [\[GitHub Link\]](#) Aug – 2025

- **Developed** a custom virtual assistant using **Python** and **LLMs** (Large Language Models) to automate personal tasks and information retrieval, mirroring enterprise chatbot architectures.
- **Implemented** advanced **Prompt Engineering** techniques to define system personas and enforce response constraints, ensuring high accuracy and relevance in generated outputs.
- **Integrated** external APIs to enable real-time natural language interaction, demonstrating proficiency in building scalable **GenAI** applications.
- **Technologies Used:** Python, OpenAI API, BoltIoT-AI, Prompt Engineering.

Customer Churn Prediction for a Telecom Company – [\[GitHub Link\]](#) Sept - 2025

- Analyzed a dataset of 7,043 customer records to identify key drivers of churn, performing comprehensive Exploratory Data Analysis (EDA) to visualize trends in tenure, contract types, and internet services
- Evaluated and compared the performance of all classification models, identifying the **Multiple Logistic Regression** model as the most effective with a predictive accuracy of **79.7%**.
- **Technologies Used:** Python, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn.

Handwritten Digit Classification using CNN– [\[GitHub Link\]](#) Oct - 2025

- Developed and implemented a Convolutional Neural Network (CNN) from scratch using TensorFlow and Keras to classify digits from the MNIST dataset
- Achieved a high test accuracy of **99.3%** by designing a multi-layer architecture, demonstrating effective model generalization on unseen data.
- **Technologies Used:** TensorFlow, Keras, Python, NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn.

Internships:

Artificial Intelligence Intern | Accenture X Krutanic Solutions Sept 2025 – Nov 2025

- Completed a structured AI internship focused on applied problem-solving, model understanding, and project-based execution in a professional environment.
- Demonstrated strong analytical rigor and consistent performance, earning a certified Internship Completion recognition.

Machine Learning Intern | YBI Foundation Feb 2023 – Mar 2023

- Processed and analyzed structured/unstructured data using Python (Pandas, NumPy, Matplotlib).
- Implemented fundamental machine learning algorithms like linear regression and classification to solve **business-related problems**.

Data Science Intern | LetsGrowMore Oct 2021 – Nov 2021

- Developed and trained machine learning models for tasks such as classification and regression using Scikit-learn.
- Created data visualizations with Matplotlib and Seaborn to **communicate insights** and model findings effectively.

Education:

- **Rustamji Institute Of Technology, Gwalior** 2023 – 8.7 CGPA
Bachelor of Technology (Information Technology)

Certifications/Training:

- **Artificial Intelligence Training | Krutanic Solutions |** **Sept 2025 – Nov 2025**
- **Prompt Engineering for GenAI | Internshala Training |**
- **Certificate Of Accomplishment** (Oracle Database Annual Championship 2021)
- Qwiklab Batches (Earned 12+ Quests and 6+ skills badges)
- Python Data Structures By University of Michigan

Achievements:

- **E-litmus PH Test 2022 – 82.05 Percentile**
- **College Rank 3** at CodeKaze 2022
- **Hackerrank** Problem Solving (3 Star)
- **City Rank 1** In IMO
- **College Rank 7** In Science & Technology Quiz

Volunteering:

- Local Guide (Level 7) | Google Maps NL- Localyse **Feb 2020 – Present**
- Private Home Tutor | Rudrapur, Uttarakhand **Jan 2024 - Present**

Responsibility:

- Campus Ambassador | TRYST, IIT Delhi **Jan 2020 – Mar 2020**
- ISP 17 | Internshala **Mar 2020 – May 2020**

Extra-Curricular:

- Reading Books
- Listening Music

Languages:

- English
- Hindi