

# PRABHUDAYAL VAISHNAV

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Bhilai, Chhattisgarh, India

## OBJECTIVE

Aspiring software engineer with a strong foundation in computer science, specializing in data science. Passionate about developing innovative solutions. Actively learning and expanding my skill set through projects.

## EDUCATION

Institution	Year	Details
Chhattisgarh Swami Vivekanand Technical University, Bhilai, India	2022 - Present	B. Tech (Hons.) CSE Data Science; GPA: 7.9 (4th Semester); Currently in 5th Semester
Kendriya Vidyalaya BMY, Bhilai, India	2021	Class 12th; 78.8%
Kendriya Vidyalaya BMY, Bhilai, India	2019	Class 10th; Percentage: 88.6%

## PROJECTS

- The AI Scientist: Sakana AI** 2024  
*Contributed to Sakana AI's open-source project to automate research paper generation* [🌐]
  - Integrated Open-Sourced Language Models to develop an AI Scientist capable of generating research papers.
  - Generated a paper titled "EXPLORING STYLE TRANSFER WITH SMALL CHARACTER-LEVEL TRANSFORMERS" entirely by utilizing the free resources. [PDF]
- Remote Shell Access Bot: XAdmin** 2024  
*Python-based program enabling reverse shell connections without having the login credentials via Telegram API* [🌐]
  - A Python-based bot that turns your Telegram into a secure command center for your PC.
- Created Python Module: XS** 2024  
*Creates Endpoint URL for Open-Sourced LLMs running onto any Cloud Instance like Google Colab* [🌐]
  - Developed and published Python package for creating Endpoint URLs for LLMs.
- An AI Powered Telegram Bot: XGen-AI** 2024  
*A Telegram bot with RAG capabilities using Meta Llama 3.1* [🌐]
  - It supports document-based chat Q&A alongside the intelligence of an advanced language model.
- E-Commerce Website: MetroCart** 2024  
*A minimalist and elegant e-commerce website using HTML, CSS, and JavaScript.* [🌐]
  - Focused on providing a superior and minimalist user experience.

## TECHNICAL SKILLS

- Programming Languages:** Python, React, Ruby, JavaScript, C, C++, SQL, Matlab, R
- AI and LLM Tools/Frameworks:** LangChain, LlamaIndex, Ollama, HuggingFace Transformers, PyTorch, TensorFlow
- Cloud Platforms:** Google Cloud, Amazon Sagemaker, High Performance Cluster (PARAM Utkarsh), Ola Krutrim
- Data Analysis and Visualization Tools:** Pandas, Numpy, Seaborn, Power BI
- Miscellaneous Skills:** LT Spice, Cisco Packet Tracer, Davinci Resolve, Adobe After Effects

## RELEVANT COURSEWORK

- Core Computer Science:** Object Oriented Programming, Database Management System, Computer Architecture Organization, Computer Network, Operating System, Data Structures and Algorithms
- Artificial Intelligence and Data Science:** Artificial Intelligence, Data Visualization, Pattern Recognition and Machine Learning, Natural Language Processing
- Mathematics and Theoretical Foundations:** Theory of Computation, Cryptography and Network Security

## CERTIFICATIONS AND ACHIEVEMENTS

- Indian Institute of Management Hackathon Winner 2024** 2024  
*Data Analyst Hackathon organized by IIM-Nagpur's incubation center InFED at* [🌐]
  - Got Selected to present for their Startup's Problem : AI Product Comparison
  - Automated the report generation of 22 pages by using my Python based AI Agent.
- PwC Switzerland Power BI Job Simulation** [🌐]  
*Strengthened PowerBI skill at executive level, by creating dashboards and visualizing the critical KPIs.*