

# HARSHIT KUSHWAHA

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## EXPERIENCE

### Software Development Club

Machine Learning – Core Member – Full-time

November 2024 – Present

Bhopal, India

### Outlier

AI Trainer – Freelance - Remote

November 2024 - Present

Bhopal, India

Tools: Python, Prompt Engineering, AI Training

## EDUCATION

### - Vellore Institute of Technology, Bhopal

B. Tech in Computer Science Engineering (Core)

2027

CGPA- 8.09

### - Vijaya International School, Agra

Senior Secondary Examination

2023

Grade: 85%

### - Vijaya International School, Agra

Higher Secondary Examination

2021

Grade: 94.2%

## PROJECTS

### - MeowScript - A Purrfectly Simple Programming Language

Tools: Javascript, HTML, CSS, React, Node.js, Vercel, VS Code.

- Designed a MeowScript, a custom cat-themed programming language with a playful syntax and interactive web-based playground.



### - Sentiment Analysis Chatbot

Tools: Python, TextBlob, TermColor, Natural Language Processing, VS Code.

- Developed a console-based chatbot that analyses user sentiments using natural language processing techniques.
- Sentiment categorisation into “Very Positive”, “Positive”, “Neutral”, “Negative”, and “Very Negative”.



### - Stock Market Prediction Using ML

Tools: Python, Pytorch, Matplotlib, Scikit-learn, yfinance, Joblib, Tensorflow VS Code.

- Designed a stock price prediction model using Linear Regression and LSTM Neural Networks, integrating historical data from Yahoo Finance for predictive analysis.
- Automated data pipelines for fetching, preprocessing, and visualising stock data using yfinance, pandas, and matplotlib.
- Evaluated model performance with metrics like MSE, RMSE, and R<sup>2</sup> Score, highlighting the comparative strengths of each approach.



### - Health Monitoring and Alert System with Kestra

Tools: Python, C++, Scikit-Learn, Arduino, Twilio, VS Code.

- This workflow monitors heart rate and glucose levels from input data and sends critical alerts via SMS using Twilio when the values exceed defined thresholds.
- IoT devices are used to measure heart rate and glucose level.



## SKILLS

- Languages:** Python, Javascript, Typescript, HTML, CSS, C/C++
- AI/ML:** Tensorflow, PyTorch, Scikit-learn, Keras, OpenCV, Seaborn
- Web Development:** React, Next.js, Node.js, Tailwind CSS
- Database:** MySQL
- Tools & Platforms:** WSL, Development Boards

## CERTIFICATIONS

- CS50's Introduction to Programming with Python
- ChatGPT Prompt Engineering for Developers
- Linux Tutorial
- Python Essentials
- Fundamentals of AI & ML

Harvard University

DeepLearning.AI

Great Learning Academy

VITyarthi

VITyarthi

## ACHIEVEMENTS

- Achieved a top 1% ranking in MLH Global Hack Week: Cloud Week 2024.

## EXTRACURRICULARS

### Crowdsourcer

Crowdsource Learning Community | GOOGLE

March 2025

Bhopal, India

### Member

GeeksforGeeks | VIT Bhopal

August 2024

Bhopal, India

### Campus Ambassador

Tryst 24 | IITD

March 2024

Bhopal, India