

Vivek Srivastava



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Summary

Computer Science undergrad specializing in AI/ML. Passionate about building scalable systems and impactful applications, with expertise in AI, ML, and full-stack development.

Education

VIT Bhopal University

B.Tech. in CSE with specialization in AI & ML

Sep 2023 – Ongoing

CGPA: **9.09**

Technical Skills

Languages: Python, Java, C++, JavaScript

Web/Backend: React.js, Node.js, Express.js, Flask, MongoDB, MySQL, REST APIs

AI/ML: Scikit-learn, TensorFlow, PyTorch, NumPy, Pandas, Seaborn

Tools/Platforms: Git, Linux, Docker, Google Cloud, AWS, VS Code

Experience

India Space Lab

Software Intern

Dec 2024 – Jan 2025

- Developed Python scripts for satellite simulation using onboard telemetry models.
- Integrated CubeSat and UAV systems with real-time data pipelines.

Projects

Breast Cancer Detection Using ML

- Achieved **96% accuracy** using Random Forest with grid search.
- Built a complete ML pipeline using Python, Scikit-learn, Pandas.

[Link](#)

Real-Time Emotion Detection System

- Implemented a real-time facial emotion classifier with OpenCV & FER models.
- Optimized to process live video feeds with sub-second latency.

[Link](#)

Spotify Music Popularity Prediction

- Built regression models to predict song popularity from Spotify datasets.
- Deployed interactive Streamlit app for end-user accessibility.

[Link](#)

Certifications

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|---|----------|
| - GenAI using IBM Watsonx, IBM | Jun 2025 |
| - Azure Data Fundamentals, Microsoft | Jun 2025 |
| - Python for Data Science, AI & Development, Coursera | Feb 2025 |

Leadership, Honors & Interests

AI Club, VIT Bhopal — Technical Team

Jan 2024 – Present

- Conducted 3 bootcamps & 2 workshops and led projects in Artificial Intelligence and Machine Learning.

NSS Unit, VIT Bhopal — Volunteer

Aug 2024 – Present

- Organized awareness campaigns, plantation drive and contributed to community service initiatives.

Honors: Finalist — Neural Nexus Hackathon (2024)
State Round Qualifier — RBI@90 Quiz (2024)

Activities: Participated in 10+ hackathons; Cricket & Chess enthusiast