Vivek Srivastava

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OBJECTIVE

Motivated and detail-oriented Computer Science undergrad specializing in Artificial Intelligence and Machine Learning. Developing expertise in AI, machine learning and data science, with a passion for building scalable systems and impactful applications.. Actively seeking an opportunity to leverage expertise in AI/ML and full-stack development for innovative solutions.

TECHNICAL SKILLS

- **Languages:** Python, Java, C++, JavaScript
- **Web Technologies:** React.js, Node.js, Express.js, Flask, MongoDB, MySQL
- **AI/ML Libraries:** Scikit-learn, TensorFlow, PyTorch,Numpy, Pandas, Seaborn
- **Tools & Platforms:** Git, Linux, GitHub, Google Colab, VS Code, MS Office

EDUCATION

- **B.Tech. in CSE with specialization in AIML**
  VIT Bhopal University, Bhopal CGPA- 9.09 September,2023 - Ongoing

WORK EXPERIENCE

1. Software Intern at India Space Lab | December 2024 - January 2025

- Designed Python-based scripts for satellite simulation using simplified onboard data models.
- Explored CubeSat and UAV systems with real-time telemetry and data analysis pipelines.

2. Technical Core Member - Linux Club, VIT Bhopal | April 2024 - Present

- Led open-source projects focusing on system optimization and shell scripting.
- Organized internal Linux security workshops and hackathons.

KEY PROJECTS

1- Breast Cancer Detection Using ML (Apr 2024 - June 2025) [Github Link]

- **Description :** Developed a high accuracy classification pipeline for breast cancer diagnosis.
- **Key Contributions :** Achieved 96% accuracy using Random Forest with grid search optimization.
- **Technologies Used :** Python, Scikit-learn, Pandas, Matplotlib, Seaborn.

2- Real-Time Emotion Detection System (Jan 2025 - Apr 2025) [Github Link]

- **Description :** Developed a system that detects and classifies facial emotions such as happy, sad, angry, and surprised in real-time.
- **Key Contributions :** Integrated OpenCV and FER models to build an emotion recognition app with webcam feed.
- **Technologies Used :** Python, OpenCV, Facial Emotion Recognition (FER) Library.

3- Spotify Music Popularity Prediction (Jan 2025 - Mar 2025) [Github Link]

- **Description :** Predicted popularity of songs using regression models trained on Spotify datasets.
- **Key Contributions :** Deployed an interactive web app using Streamlit.
- **Technologies Used :** Python, Scikit-learn, Streamlit, Pandas.

CERTIFICATIONS

- **GenAI using IBM Watsonx, IBM** **June 2025**
- **Axure Data Fundamentals, Microsoft** **June 2025**
- **Networking Basics, Cisco** **April 2025**
- **Python for Data Science,AI and Development, Coursera** **February 2025**

ACHIEVEMENTS & LEADERSHIP

- Finalist in Neural Nexus Hackathon (2024).
- State Round Qualifier - RBI@90 Quiz organized by RBI (2024).

EXTRACURRICULARS & INTERESTS

- Participant in 10+ online/offline hackathons across India, continuously expanding technical skills and networking..
- Engage in playing Cricket & Chess, developing leadership, strategic thinking, and teamwork skills.

LANGUAGES

English - Fluent
Hindi - Native