USHA B

rajb27535@gmail.com   https://www.linkedin.com/in/usha-b-35a6362a6   https://github.com/Ushabraj

Shimoga, Karnataka

+91 6362744916

Summary:

Passionate AI/ML engineering student with strong problem-solving skills and a drive to apply machine learning concepts to real-world challenges.

Education:

- **Bachelor of Engineering in Artificial Intelligence and Machine Learning**
  PES Institute of Technology and Management, Shimoga, Karnataka *2022-2026*

Skills:

- **Programming Languages:** Python, C

- **Web Development:** HTML, CSS, Frontend, Backend

- **Soft Skills:** Problem-Solving, Team Building, Communication, Leader ship

Projects:

- **Commercial Website for Natraj Textile :** Developed a dynamic, responsive website for a textile store to showcase products, improve customer engagement, and boost online visibility.

- **LangChain-based Project**: Developed a conversational AI using LangChain for medical assistance.

- **Medical Condition Prediction:** Built a machine learning model to predict patient health conditions.

- **AI-Powered Virtual Ruler:** Created a computer vision-based tool for real-time measurement analysis.

- **Student performane prediction:** Built a machine learning model to predict student performance levels based on academic and personal data.

- **Japanese Handwritten Recognition System:** Developed a system using machine learning to recognize and classify handwritten Japanese characters with high accuracy.

- **AI-Powered PCOS Risk Detection Using Wearable Sensors and Vision-Based Symptom Analysis(Ongoing)**

Certificates:

- **Generative AI:** Learned how AI creates new content like text and images.

- **Deep Learning using TensorFlow:** Understood how to build and train deep learning models.

- **Learning PyTorch with examples:** Practiced machine learning using PyTorch through hands-on examples.

- **Basic Python programming:** Gained knowledge of Python basics like variables, loops, and functions.

- 6-hour DBMS hackathon organized by the AIML Department at PES ITM College.