JAYALAKSHMI JAYARAJ

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PROFILE

Aspiring and dedicated individual pursuing Masters in Computer Applications degree at Cochin University of Science and Technology (CUSAT). I have gained a solid foundation in programming languages, data structures, and software development. Throughout my academic journey, I have demonstrated a proactive approach to problem- solving. I am eager to further expand my knowledge and skills in computer science, through practical experience and hands-on learning opportunities.

EDUCATION

Cochin University of Science and Technology   2023 – 2025
Masters in Computer Application, Computer Science.   *CGPA: 8.5*

Nirmala College , Muvattupuzha   2020 – 2023
Bachelor of Mathematics   *CGPA: 9.62*

INTERNSHIP

IBM SkillsBuild Internship   June 2024 - July 2024

This internship was instrumental in building a robust foundation in artificial intelligence and machine learning. It not only equipped me with the technical skills necessary for a career in AI but also provided a broader understanding of the impact and potential applications of these technologies in various industries. My exposure to IBM Watsonx, in particular, was invaluable in learning how to utilize advanced AI tools for practical and impactful solutions.

PROJECTS

Breast Cancer Detection using Pretrained Models

Developed a breast cancer detection system using ultrasound images and applying pre-trained deep learning models such as ResNet50, InceptionV3,MobileNetV2, and EfficientNet-B0. By leveraging transfer learning and data augmentation techniques, the goal is to enhance detection accuracy and optimize the system for real-world clinical applications.

EnergyON Website with Chatbot Deployment

Developed an online marketplace for bioenergy solutions with integrated Chatbot functionality powered by IBM Watson.The platform enhances customer engagement through AI driven support on inquiries and product recommendations.

TECHNICAL SKILLS

- **Languages:** Java, Python, C
- **Web Technologies:** HTML ,CSS , Javascript
- **Database:** SQL

SOFT SKILLS

- Quick Learner
- Team Work
- Adaptability

CERTIFICATIONS

- **Artificial Intelligence Fundamentals - IBM.**
  - Demonstrates a foundational understanding of Artificial Intelligence concepts, objectives, and practices.
- **Accenture Nordics-Developer Job Stimulation - Forage**.
  - Demonstrates real world understanding of a software developer role