

Reeba Sabu

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A motivated Software Engineer with strong programming skills, hands-on project experience, and a passion for solving real-world tech challenges.

Education

B.Tech in Computer Science and Engineering
Government Engineering College, Idukki

November 2021 – May 2025

- GPA: 7.46

Experience

IBM SkillsBuild(Internship)

July 2024 – Aug 2024

- Gained understanding of key concepts in data-driven problem solving and practical applications of intelligent systems.
- Developed a chatbot project, implementing NLP techniques to enable dynamic, context-aware conversations.
- Strengthened problem-solving abilities by working on AI-based use cases and understanding core concepts of Natural Language Processing (NLP).

Projects

Landslide Detection in Satellite Imagery using Deep Learning

Dec 2024 - April 2025

- Developed and compared multiple deep learning models for semantic segmentation of satellite imagery to accurately detect landslides with improved boundary precision and reduced false positives.
- Focused on improving boundary detection and model performance, ensuring timely and precise identification of landslides to support post-disaster management, emergency response, and resource allocation.

Pedestrian Detection using OpenCV

Feb 2024 – May 2024

- Implemented real-time detection by processing image and drawing bounding boxes around detected pedestrians.
- Applied machine learning algorithms and image processing techniques to achieve high detection accuracy and real-time performance

Technologies

Languages: C, Python,Java

Web Technologies: HTML,CSS

Databases: SQL

Development Tools: Visual Studio Code,Jupyter Notebook

Activities

Technical Lead,SHE GECI

- Directed technical projects and fostered a supportive environment for women in technology through mentorship, events, and skill-building activities as a Technical Lead at the SHE Club.