

MALAVIKA SAJITH

Web Developer

malavikasajith5@gmail.com | Germany

GitHub | LinkedIn

EDUCATION

SRH University Heidelberg

Information Technology Master of Engineering (M. Eng)

Heidelberg, Germany

Oct 2022 - Apr 2024

Dayananda Sagar University

Electronics and Communication Bachelor of Technology(B-Tech)

Bengaluru, India

Aug 2016 - Sept 2020

EXPERIENCE

Cognizant Technology Solutions Pvt.LTD | Graduate Engineer Trainee Bengaluru, India | 28th Oct 2020 - 26th Nov 2021

Tasks:

- Analysed and worked on system and network issues using the BMC ticketing tool
- Provided repairs to avoid long maintenance wait times.
- Assisted with the coordination of new equipment installation and implementation
- Assisted team members with new product implementation and manufacturing process changes.
- Collaborated with different departments to discuss processes and find ways to boost performance.
- Adhered to timelines to meet quality assurance targets.
- Checked equipment daily and provided repairs to avoid long maintenance wait times.
- Handled tasks for engineering projects under the project manager's supervision.

Achievements:

- Have received employee of the month for being excellent at resolving issues during the project phase and helping the team in coordinating the desired tasks.

SKILLS

Programming Languages: HTML5, CSS3, JavaScript, Python
Libraries/Frameworks: Flask, Node.Js, Next.Js, Tailwind CSS, React, Bootstrap, Express.Js, Keras, Tensorflow
Tools / Platforms: VS Code, Git, Arduino, Sublime Text
Databases: MongoDB, MySQL
Languages: English, German, Hindi, Malayalam, Kannada, Tamil

PROJECTS / OPEN-SOURCE

Pneumothorax Detection using U-Net++ Architecture | [Link](#)

Python

This project leverages deep learning to detect Pneumothorax in lung X-ray images using the U-Net++ architecture, which excels at medical image segmentation. The model processes X-rays and produces precise Pneumothorax segmentation masks, aiding in early detection of the condition. With advanced metrics like Dice Coefficient and IoU, the model demonstrates high accuracy, offering a valuable tool for critical, life-saving diagnosis.

Calculator Web Application | [Link](#)

HTML, CSS, Javascript

This project is a simple calculator built using HTML, CSS, and JavaScript. It supports basic arithmetic operations such as addition, subtraction, multiplication, division, percentage, and also provides functionalities like reset (AC) and delete (DEL).

Tesla Landing Page Clone | [Link](#)*HTML, CSS, Javascript*

This project is a responsive landing page clone for Tesla's website. It showcases various Tesla models and features dynamic animations and interactive elements.

Face Mask Detection System | [Link](#)*Python*

This project implements a Face Mask Detection System using deep learning with TensorFlow, Keras, and OpenCV. It includes scripts for real-time mask detection via webcam, image-based mask detection, and training a mask detection model with MobileNetV2 architecture. The system detects faces and predicts mask usage with accuracy.

CERTIFICATIONS

The Web Developer Bootcamp 2024 - **Udemy**

German Language - A1 - Goethe Institut.