Ranya K R

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PROFESSIONAL   SUMMARY

MTech graduate specializing in Software Engineering, with a foundation in front-end development. Skilled in HTML, CSS, JavaScript, and responsive design. Eager to contribute to dynamic projects and continuously develop technical and problem-solving abilities.

WORK   EXPERIENCE

Front-End Developer (Trainee)   Oct 2024 − Dec 2024

UP2tech | Thrissur, Kerala

- Assisted in the development of client-facing websites, using HTML, CSS and JavaScript to ensure responsiveness and ease of use.
- Fixed bugs and performed troubleshooting to improve site functionality and reduce downtime.

Embedded Engineer   Feb 2019 − Jun 2020

STEM ROBOTICS ACADEMY | Thrissur, Kerala

- Developed and implemented projects using Arduino board, electronic sensors and NodeMCU.

PROJECTS

Histopathological Image Analysis using Vision Transformer

- Performed multiclass classification on lung cancer images of size 768x768 using vision transformer.

Image Classification using CNN

- Developed machine learning code for classifying metal and plastic wastes using Convolutional Neural Network.
- **Pre-processed data** by normalizing, augmenting images, and resizing datasets to improve model performance and reduce overfitting.
- Designed and trained the CNN model using **TensorFlow** library, achieving accuracy on test data.

Portfolio Website

- Built a simple portfolio website using HTML, CSS and JavaScript.
- Focused on a mobile-first approach to ensure a responsive layout for all devices.

Quote of the Day website

- Developed a "Quote of the Day" web application that dynamically fetches and displays a random quote from an external API.
- Implemented a responsive and user-friendly interface, ensuring seamless viewing across (mobile, tablet, Desktop).
- Integrated API requests to provide a fresh and motivational quote each time the page is refreshed or visited.
- Utilized technologies such as HTML, CSS and JavaScript (or Fetch API) for efficient API interaction and rendering.

CERTIFICATIONS

Python for Data Science - Datacamp

Introduction to Computer Vision and Image Processing – IBM

EDUCATION

Masters in Technology (MTech) – *Software Engineering*   2021 - 2023
Cochin University of Science and Technology, Ernakulam (India)

Bachelor of Technology (B. Tech.) – *Electronics and Communication*   2015 - 2018
Vidya Academy of Science and Technology, Thrissur (India)

Diploma – *Electronics and Communication*   2012 – 2015
Govt. Polytechnic College, Kunnamkulam (India)

Plus Two – *Computer Science*   2010 – 2012

G H S S Challissery

SKILLS

Programming Languages: C | C++ | Python

Web Development*:* HTML | CSS | JavaScript | Wordpress | SEO Optimization

Cloud Platforms: AWS (EC2, S3, Lambda)

Libraries/Frame works: OpenCV | Tensor Flow | Pandas

Tools: Arduino IDE | Visual Studio Code |Git

Soft Skills: Communication | Leadership | Adaptability | Problem Solving