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Education

Sahyadri College of Engineering and Management

Dec 2021 – Jun 2025

Bachelor of Engineering in Computer Science (Artificial intelligence and machine learning)

Mangalore, Karnataka

Experience

Thaniya Technology

Dec 2023 – Present

Software Engineer Intern

Mangalore, Karnataka

- Developed a service to automatically perform a set of unit tests daily on a product in development in order to decrease time needed for team members to identify and fix bugs/issues.
- Incorporated scripts using Python and PowerShell to aggregate XML test results into an organized format and to load the latest build code onto the hardware, so that daily testing can be performed.

Samanvaya Tech LPP, Inc

Jan 2024 – Present

Technical Manager

Mangalore, State

- Assisted in development of the front end of a mobile application for iOS/Android using Dart and the Flutter framework.
- Worked with Google Firebase to manage user inputted data across multiple platforms including web and mobile apps.
- Collaborated with team members using version control systems such as Git to organize modifications and assign tasks.

Projects

Rudraksh | *Next.js, TailwindCSS, APIs*

October 2020

- Developed frontend for a web platform for farmers to identify plant diseases, enhancing crop health management.
- Integrated API, utilizing machine learning for disease detection, treatment recommendations, and prevention measures.

Safon | *C++, A, gps aurdino*

November 2020

- Designed and developed a small device with calling and tracking features using C++ and Arduino.
- Implemented GPS functionality to enable tracking of the device's location in real-time.
- Integrated communication modules for making and receiving calls.

Diabetic retinopathy detection using machine learning | *Python*

March 2024

- Developed a machine learning model to detect diabetic retinopathy from retinal images using Python and popular machine learning libraries like TensorFlow.
- Preprocessed retinal images to enhance features relevant for diabetic retinopathy detection.
- Evaluated the model's performance using various metrics and achieved significant 98% accuracy in detecting diabetic retinopathy.

Technical Skills

Languages: Python, C, HTML/CSS, SQL, C++

Developer Tools: VS Code, Google Cloud Platform, Aurdino IDE, Postman, Git

Technologies/Frameworks: Flask, Django, GitHub, OpenCV, TensorFlow

Leadership / Extracurricular

IOT lead at Sahyadri Open Source Community

December 2023 – Present

SOSC

Sahyadri College of Engineering

- The team in IoT tech consists of 50 talented individuals.
- Conducted two engaging workshops on Computer Vision and Artificial Intelligence, providing hands-on learning experiences and insightful discussions to participants

Awards

1st place in Roolathon (GDSC SIT 2023): Developed and proposed a solution Finvest, our website, to provide financial education tailored to the needs of underserved populations.

1st place in Parsec (IIT Dharwad 2024): Created a user-friendly financial management website with advanced security measures in place.

1st place in Envision (TCE 2023): Utilized IoT technologies to enable remote monitoring and control of the irrigation system via a web or mobile application..