AKASH R

Web developer || Prompt Engineer

PERSONAL DETAILS

Vidyaranyapura, 560097 Bengaluru
akaaash04@gmail.com, +91 9380583393
LinkedIn: linkedin.com/in/akaaash04

EDUCATION

B.Tech Dec 2022 - Present

Presidency University, Bengaluru

Currently pursuing B.Tech and Computer Science and Engineering at Presidency University Bangalore with CGPA of 8.14/ 10. Strong skills in Java, Python and web development technologies.

- Comprehensive knowledge of data structures and algorithms for optimising problem-solving approaches.
- Experience with database management systems, SQL queries, and designing relational databases.
- Development of web applications using front-end and back-end technologies such as HTML, CSS, JavaScript, and server-side programming.

PROGRAMMING

Python

Java

HTML 5

SQL

CSS

JavaScriot

FRAMEWORK AND LIBRARIES

React JS

Angular JS

Node JS

COURSEWORK

Data structures and algorithm

Software Engineering

Web Technologies

Artificial Intelligence and Machine Learning

Front and full stack development

Java full stack development

Data handling and visualisation

TOOLS/APPLICATIONS

- Android Studio
- Eclipse IDE
- MySQL
- VScode
- Canva

CERTIFICATIONS

- Java Basics
- Python Basics
- Java Full Stack
- Web Development
- DSA using Java

QUALITIES

- Communication
- Problem-solving
- Adaptability
- Teamwork
- Time management
- Critical thinking
- Collaboration
- Analytical thinking

PROJECTS

Automatic water dispenser

The **Automatic Water Dispenser with Conveyor Belt** is a contactless system that dispenses water into bottles placed on a moving belt. It uses an **Arduino Uno**,**ultrasonic sensor** for bottle detection, a **relay module**, **DC water pump**, and a **motor-driven conveyor belt**. When a bottle is detected, the conveyor stops, water is dispensed, then the belt resumes—ideal for automated bottle-filling setups.

Raspberry pie based robot surveillance system

The **Raspberry Pi-based Robot Surveillance System** is a mobile monitoring robot that captures live video and streams it over Wi-Fi for remote surveillance. It uses a **Raspberry Pi** as the main controller, a **Pi Camera** for video capture, and **motor drivers with DC motors or a chassis kit** for movement. The system can be controlled remotely via a web interface or smartphone app. Additional components include a **battery pack**, **ultrasonic sensors for obstacle detection**, and **Wi-Fi module (built-in in Pi)**The **Raspberry Pi-based Robot Surveillance System** is a mobile robot that streams live video over Wi-Fi for remote monitoring. It uses a **Raspberry Pi**, **Pi Camera**, **motor drivers**, **DC motors**, and **ultrasonic sensors**. The system is remotely controlled and ideal for real-time surveillance in restricted or remote areas.

Itinerary Maker

The **Itinerary Maker** is a front-end travel planner that lets users create and manage daily trip schedules. Built with **HTML**, **CSS**, and **JavaScript**. it features an interactive UI for adding and viewing plans. Users can edit, delete, and organize activities easily. It highlights skills in UI design and dynamic form handling.

Credit Card Fraud Detection using Machine Learning

Developed a binary classification model to detect fraudulent transactions using a real-world dataset. Preprocessed data and addressed class imbalance with under-sampling and SMOTE techniques.Trained and evaluated models including Logistic Regression and Decision Trees.Focused on improving precision and recall to minimize false positives.Achieved approximately 98% accuracy and visualized results using Matplotlib.