



VIVEK R

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Trivandrum,Kerala

CAREER OBJECTIVE

To secure a position as a software engineer in a dynamic and growth oriented company where I can leverage my expertise in software development.I aim to contribute significantly to the company's success while developing my skills and working alongside a team of motivated professionals dedicated to achieve the organization's goal.

EDUCATION

Qualification	Institution	Board/University	YOP	Percentage of Mark
B.tech (Computer science and engineering)	College of engineering Muttathara	Kerala Technical University	2024	80.2
12 th class	Kendriya Vidyalaya AFS Akkulam	CBSE	2020	78.4
10 th class	Kendriya Vidyalaya AFS Akkulam	CBSE	2018	81.4

IT PROFICIENCY

I have undergone **Python full stack development** training in QSpiders Kochi.

TECHNICAL SKILLS

■ PYTHON

- Good knowledge on **data types,control flow,functions,modules and packages.**
- Very good understanding of **object oriented programming concepts(OOP)** like **method overloading,method overriding,inheritance and polymorphism,abstraction and encapsulation.**
- Practical **experience in IOT device programming.**
- Good knowledge on **built in functions and custom functions.**
- Good understanding of **data structures like list,dictionary,tuples and sets.**
- Very good understanding on **file handling.**

■ WEB TECHNOLOGIES

- Good knowledge on **HTML**(structure and semantics).
- Very good understanding of **CSS**.
- Good understanding on **JavaScript**.
- Good knowledge on **php**.

■ SQL(Structured Query Language) AND DATABASE MANAGEMENT

- Good knowledge on **DDL,DML,DCL,TCL**.
- Have extensive knowledge in writing **SQL queries**
- Good knowledge on **aggregate function,data filtering ,views and sorting**.
- Good understanding on SQL joints,sub queries,grouping and functions.
- Excellent at performing **CRUDE** operation on any RDBMS .
- Have good understanding of normalization and **ER diagrams**.
- Good knowledge on database design principle and **ACID** properties
- Good understanding of transactions ,concurrency control,data integrity and constraints.

■ C PROGRAMMING

- Very good understanding of data types,control structures,functions and recursion.
- Have good knowledge on array,string,pointers and file handling operations
- Experience in implementing algorithms ,data structures,modular programming and header files.
- Have knowledge on preprocessor directives,error handling and debugging techniques.

■ PROJECTS

● **VIRTUAL PEN**

February 2023- June 2023

Pointer movement recognition system for writing and drawing. A virtual technology that enables users to draw and write on a digital canvas in real time. The project was a collaborative effort, with features implemented using OpenCV and NumPy. This offers an affordable and efficient alternative to traditional drawing and writing tools. It is also a useful tool for the ones with certain disabilities .

● **ROVER REACH**

February 2024- June 2024

Developed an autonomous obstacle avoidance humanoid robot. The robot is capable of moving along a predefined path with the use of ultrasonic sensors. Robot control, voice recording functions are all done using an android application . ESP 32 acts as the main processor for the robot . It has speakers for providing audio output to the users.

● **OP TICKET BOOKING SYSTEM**

March 2023- June 2023

Developed a website with login and registration pages for booking OP tickets in hospitals. The website includes a patient details entry page with necessary radio buttons and list buttons. After submitting the details, users can download a copy of the booked tickets.

■ INTERNSHIPS/WORKSHOPS

- Completed an online internship program on “Android Application Development” conducted by ReynLab through Techmaghi.
- Attended a workshop on “IOT” conducted by the Department of Computer Science and Engineering at College of Engineering, Muttathara, Thiruvananthapuram.
- Internship at charlnetic technologies : collected product information from various websites filtered and organised it in microsoft excel(2022).

■ SOFTWARE/TOOLS USED

- Operating systems: windows 10/11,Linux.
- Databases:MySQL workbench,Xampp
- Python,C,Web technologies: Visual Studio Code.

■ COMMUNICATION

- English
- Malayalam
- Hindi
- Tamil

■ DECLARATION

I hearby declare that all of the above information is true and to the best of my knowledge