**Sujith Suresh**

**EDUCATION**

* **B.Tech Mechanical**

**CGPA – 8.48 / 10 2019-2023**

Amrita Vishwa Vidyapeetham

* **Class 12** – 85.33% **2019**

Institution:

* **Class 10** – 86% **2017**

Institution:

**TECHNICAL INTERESTS**

Artificial Intelligence, Machine Learning, Data Analysis, Automobile Designing

**PROJECTS**

**Automated weekly business review (WBR) Dashboard (03/2023 - 06/2023)**

Created an automated dashboard using Amazon Quicksight which is a data visualization software for a organization which consisted of 20 different teams. Created a unified query that fetched the data of all the teams and then uploaded onto Quicksight to create a dashboard. This dashboard reduces the manual effort spent by the teams to create the WBR and eliminates manual errors.

**Solved MTSP problem using Genetic Algorithm and**

**further optimizing it with Reinforcement learning**

Designed a code with my team to solve the Multiple Traveling salesman problem using Genetic Algorithm and further optimizing it using Reinforcement learning (Q learning) to get the most optimized results.

**Automatic Inspection Video Analysis (AIVA) program**

the assembly lines at Bosch plant. The program makes sure hat the correct parts are assembled for a particular fuel pump. A python code was used with OpenCV which recorded the live video and the program was connected to a PLC using snap7 and the database which consisted of the different fuel pumps and their parts was integrated using sqlite3.

**Developed a self driving car on a simulator**

Developed a completely autonomous car on the Udacity simulator by first collecting the data by driving the car manually and then using Nvidia's convolutional neural network to train the model which was able to run the car autonomously on the simulator.

**TECHNICAL SKILLS**

Python, SQL, Tableau, Solidworks, MS Excel

**INTERNSHIP**

**Business Analyst Intern**

**Amazon India**

01/2023 - 06/2023,

A 6 month internship at Amazon as a Business Analyst.

Achievements/Tasks

Worked on creation and modification of queries using SQL. Retrieved the required data and performed the required analysis using excel as per the stakeholders request. Provided automated solutions to business problems by creating scheduled jobs that get uploaded onto a data visualization software.

**Assistant to the Deputy Manager** Robert Bosch (Bidadi Plant)

*06/2022 - 07/2022*,   
Completed a 4 week internship at the Bidadi plant of Bosch which manufactures Fuel Pumps.

Achievements/Tasks

**LANGUAGES**

English, Hindi, Kannada

**EXTRA CURRICULAR ACTIVITIES**

**Wipro - Campus Ambassador (06/2022 - 06/2023)** As a campus ambassador I act as the link between the company and the students of the college.

**Abhinaya(Amrita School of Engineering) – Vice**

A community service activity at the ISCKON temple Bengaluru, wherein I distributed food amongst the devotees there and washed their dishes.