**SITHARA J P**

**PROFILE**

A budding computer science engineer, seeking an entry-level position in a dynamic organization, preferably in the field of software development, with special interests in areas like machine learning, data science, computer networking, and related fields, resulting in meaningful contribution towards organizational growth along with personal and professional development.

**EDUCATION**

* **B.Tech Computer Science and Engineering**

**CGPA – 8.16 / 10 2019-2023**

Amrita Vishwa Vidyapeetham

* **Class 12** – 92% **2019**

Institution: St. Teresa’s Anglo Indian Higher Secondary School

* **Class 10** – 98% **2017**

Institution: Ursuline Senior Secondary School, Kannur

**TECHNICAL INTERESTS**

·Machine Learning  
·Data Science  
·Computer networking

**PROJECTS**

**Drowsy driver alert system**  
·Duration/Period: 20, August 2021 – 25, November 2021  
·Objective: To develop a drowsiness detection system that will detect whether a driver’s eyes are closed for a few seconds while driving and will alert the driver.

·Tools or techniques used: Visual Studio Code, open cv, dlib, face utils  
·Outcome: Designed and deployed an alert system with digital image processing techniques.

**Train reservation system**  
·Duration/Period: 25, June 2021 – 10, December 2021  
·Objective: An online train reservation system to manage ticket booking, payment and helpdesk services easily.

·Tools or techniques used: PyCharm IDE, Cisco Packet Tracer (VLAN, RIP, OSPF, various protocols)·Outcome: A multi client-server network application using socket programming techniques, file handling operations and implementation of the network model.

**OTT explainable movie recommender system**  
·Duration/Period: 02, August 2021 – 15, November 2021  
·Objective: To recommend movies along with the reason for the suggestion to the users to personalize online streaming experience and for easy discovery of contents.

·Tools or techniques used: Python colab notebook  
·Outcome: Implemented an explainable recommender system with machine learning techniques such as preprocessing, visualization, EDA, feature engineering and tested with ML models (KNN, K Means, etc)

**TECHNICAL SKILLS**

Python, OpeCV, HTML, tensorflow, scikit

**EXTRA CURRICULAR ACTIVITIES**

Volunteered for Worldwide Energy Campaign and Environment Care conducted by Key 4 Planet·A member of Interact Club at Ursuline Senior Secondary School.

·Volunteered for Anokha Technical Fest at Amrita Vishwa Vidyapeetham

**ACHIEVEMENTS & HONOURS**

**Cisco Idea Box design thinking**·Details: Received certificate of participation  
·When and where: 13-02-2020, at Amrita School of Engineering

**LANGUAGES**

English, Malayalam, Hindi, Tamil