**Souganthika G**

**PROFILE**

Looking for a challenging role in a reputed company to utilize my engineering skills that can contribute to the company’s growth as well as enhance my knowledge by exploring new things.

**EDUCATION**

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

**CGPA – 7.40 / 10**

Amrita Vishwa Vidyapeetham

* **B.Tech Information Technology**

**CGPA – 7.43 / 10**

Sri Ramakrishna Engineering College

* **Class 12** – 85.33%

Institution: Avila Convent Matriculation Higher Secondary School

* **Class 10** – 96%

Institution: Avila Convent Matriculation Higher Secondary School

**TECHNICAL INTERESTS**

Artificial Intelligence, IoT

**PROJECTS**

**Analyzing the Security of Testbeds using IOT**

An independent security testing application which can be leveraged and works as an add - on to conduct on currently existing available testbeds by provide an analysis on the safety of the project.

The testbed provide valid and routable IP addresses as a means of access for communication and testing the devices.

**Recycling waste water using real time monitoring system based on IOT**

To ensure the safe supply of drinking, water recycling system is developed using several sensors used to measure physical and chemical parameters of water. The measured value from sensors can be processed by core controller and can be viewed on internet using wifi .

**TECHNICAL SKILLS**

C, Python, Linux, Windows, HTML, Java Script

Ethical Hacking, PCB Designing and Fabrication, IOS App Development Basics, Block Chain

**LANGUAGES**

English, Tamil, Hindi

**ACHIEVEMENTS & HONOURS**

Completed “E-Quizes on Artificial Intelligence” organized by Alard College of Engineering and Management, Pune and MSEC Ramanathapuram, Tamil Nadu.

Completed “online contest on IOT Application using CC3200, Computer Networks, Data Structures” by TI University Program.

Completed “online course with certificate for R Programming Language” by itronix solution.

Completed AWS training and certification course on “Introduction to Machine Learning : Art of the possible”, “Planning a Machine Learning Project” and “Building a Machine

Learning Ready Organization”.

**EXTRA CURRICULAR ACTIVITIES**

ANOKHA - 2k19 Workshop : Attended workshop on “Securing your IOT Solution - END 2 END and IOTBuilding Secure and Intelligent Transport Systems at Amrita Vishwa Vidhyapeetham”

Attended the Workshop on “Virtual Host Administration using Virtual Box” conducted in association with CSI,Interact, SDISC at “Sri Ramakrishna Engineering College”.

Attended and Successfully completed “First Steps into Artificial Intelligence” conducted by Microsoft Educator Center.

Member of “Indian Society for Technical Education”.

Published articles in “Creative Cadence of Budding Engineers in SREC”.