



# Suraksha Rajagopalan

## Btech Student

### About Me

I am Suraksha Rajagopalan, currently a prefinal student pursuing my education at Amrita Vishwa Vidyapeetham. My academic journey is marked by a strong inclination towards continuous learning and a genuine passion for self-challenge. Proficiency in communication is one of my notable strengths, as I am adept in fluently conversing in four languages: English, Telugu, Hindi, and Malayalam. Presently, I am actively engaged in the pursuit of knowledge in the field of Machine Learning. This endeavor reflects my commitment to staying at the forefront of technological advancements and my aspiration to contribute meaningfully to the evolving landscape of artificial intelligence and data science. I am dedicated to furthering my expertise in this domain, with a keen focus on its practical applications and potential for innovation.

### Education

**Amrita Vishwa Vidyapeetham, Kollam, Kerala**

Bachelor of Technology, Electronics and Computer Engineering , Present  
**Nalanda Vidya Niketan, Vijayawada, Andhra Pradesh**

High School Diploma, MPCC(Maths, Physics, Chemistry and Computers), May. 2021

Score: 96.4%

High Schoolssss, Mar. 2019

Score: 95.4%

### Tools

Python, C Programing, Matlab, HTML, IoT(Internet of Things), MySQL, NumPy

### Experience

Student Mentor, ACM- AI. Kollam, Kerala  
Nov. 2021 - Jan. 2023

### Projects

Frequency Controlled Automatic Door Lock.  
Mar. 2023 - Jul. 2023

In this project we have tried to replicate the action of an automated door lock system with the help of frequency.

Detection of Dyslexia in school going children, Smart India Hackathon (SIH22).

Mar. 2022 - Aug. 2022

Our team employed a decision tree classifier as a fundamental component of our methodology for the classification of dyslexia in children. This classification process was contingent upon the evaluation of several key domains, namely speaking, listening, writing, and memory. By conducting assessments and tests within these areas, we aimed to ascertain the presence or absence of dyslexia in the child subjects.

Home Automation Using Proteus  
Jul. 2023

In this project we have built on a Home Automation System using Proteus. Here we have built a Password Protected Door Lock System and Temperature Controlled DC Fan.