Ajeesh P

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Final-year student pursuing a B.Tech degree in Electronics and Communication Engineering at Government Engineering College Thrissur. I have embarked on a journey of academic growth and personal development, eager to contribute my skills and knowledge to the field of engineering and technology.

SKILLS

Languages	Python , C , HTML , CSS, Dart.
FrameWorks	Flutter
Communication	Malayalam (native), English(L2)
Tools	Android Studio, Pycharm, Arduino IDE, Visual Studio, Proteus, Keil.

WORK HISTORY

Eyantra Robotics Competition　　　　　　　　　　　　　　　　　　　　　　　　　08/2023 - Present
IIT -Bombay and Ministry of Education　　　　　　　　　　　　　　　　　　　　　　　　*Online*
- As a team Leader, it allowed me to enhance my communication, coordination, and teamwork skills which are equally valuable in both academic and extracurricular settings.

IoT Robotics and Embedded Systems intern　　　　　　　　　　　　　　　　　　04/2021 -05/2021
APSIS Solutions　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Online*
- Collaborated with a cross-functional team to design and develop IoT-enabled robotic systems, enhancing performance.
- Worked closely with mentors to gain insights into best practices in IoT, robotics, and embedded systems development.

Data Science Intern　　　　　　　　　　　　　　　　　　　　　　　　　　　　05/2023 - 06/2023
TECHMAGHI　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Online*
- Conducted data preprocessing, cleaning, and feature engineering to ensure the quality and relevance of input data.
- Technologies used: **Python, NumPy, Pandas, Matplotlib**

PROJECTS

Automatic Temperature Controlled CPU Fan using 8051 Microcontroller　　　　　07/2022 - 08/2022
C, Keil　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　College
- Analyzed and developed an intelligent cooling system for a computer using an 8051 microcontroller to regulate fan speed based on CPU temperature.
- Programmed the 8051 microcontroller (C) to analyze temperature data and adjust the fan speed using pulse width modulation (PWM).

Traffic Control System using IC 7473, IC 555, IC 7408　　　　　　　　　　　03/2022 - 04/2022
　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　College
- Developed an traffic control system to manage vehicle flow at intersections using a combination of digital logic ICs.
- Conducted thorough testing and optimization of signal timings to ensure smooth traffic flow and minimize congestion.

Automated Bell System for College　　　　　　　　　　　　　　　　　　　03/2023 - 08/2023
　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　College
- Employed an Arduino Uno microcontroller to control the bell system and integrated Bluetooth communication for remote app control.
- Guided and prototyped a hardware circuit to interface the Arduino with the bell mechanism, ensuring reliable and synchronized bell ringing.

Remotely Controlled Medical Assistant Robot　　　　　　　　　　　　　　10/2023 - present
　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　College
- Developing android App using Flutter, and studying database management using firebase
- Studying Inverse Kinematics for the ARM movement

EDUCATION

1. **Govt.Engineering College Thrissur**,
   - Bachelor of Technology in Electronics and Communication Engineering, 　**CGPA - 7.15**　　11/2020 - Present.

2. **Govt.HSS Payambra**,
   - Secondary and Higher Secondary Education. 　　　　　　　　　　　　06/2017 - 2019.

ACTIVITIES

IEEE Member	2023 – Present
Conducted RC-Racing Competition as part of Dyuthi Festival in campus	2023