Ajeesh P

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

SKILLS

Languages	Python , Dart , C , HTML , CSS
FrameWorks	Flutter
Communication	English , Malayalam

TECHNICAL EXPERIENCE

Eyantra Robotics Competition   06 August 2023 — Present
IIT -Bombay and Ministry of Education   *Online, India*

- 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.
- It gives an exceptional opportunity to delve into cutting-edge technologies such as Machine Learning, Neural Networks, Deep Learning, and Robotics within a real-world context.

IoT Robotics and Embedded Systems intern   April 2021 – May 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   May 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   July 2022
C, Keil

- Designed and implemented 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   March 2022

- Designed and implemented an innovative 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   July 2023

- Employed an Arduino Uno microcontroller to control the bell system and integrated Bluetooth communication for remote app control.
- Designed and prototyped a hardware circuit to interface the Arduino with the bell mechanism, ensuring reliable and synchronized bell ringing.

EDUCATION

Bachelor of Technology, *Govt.Engineering College Thrissur*	Nov 2020 – Present
Higher Secondary School Education, Govt.Higher Secondary School Payambra	2017 — 2019
Secondary School Education, Govt.Higher Secondary School Payambra	2011 — 2017

ACTIVITIES

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