

SHREYAS A

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EDUCATION

B-Tech ECE	<i>2020-2024</i>
Government Engineering College Thrissur	CGPA: 7.93
High School	<i>2017</i>
Silver Hills Higher Secondary School	Percentage: 100
Higher Secondary	<i>2017 - 2019</i>
Silver Hills Higher Secondary School	Percentage: 95.58

EXPERIENCE

Internship at Techmaghi	<i>Online</i>
Arduino and Robotics	2022
Intern at Luminar Calicut	<i>Offline</i>
Python Full stack	2024

PROJECTS

Aerial imaging and analysis system ,GEC

Developed an advanced aerial imaging and analysis system using drones with Raspberry Pi Zero and Pi Camera technology. Implemented computer vision algorithms to detect and analyze LED signals for applications in emergency planning. Integrated flight controllers, brushless DC motors, and LiPo batteries for stable flight, and used ROS 2 for real-time communication and data processing.

Automatic college bell using app ,GEC

Designed and implemented a college bell system that receives scheduling data from a mobile application and autonomously rings bells at specified times.

Password based door lock system ,GEC

Designed and implemented a password-based door lock system using AT89S52, LM293 motor driver and DC motor. We used embedded C to code the microcontroller and used PWM signals to control the DC motor. This project provided valuable experience in Proteus and embedded C.

ACTIVITIES

IEEE active member, GEC
Gyanartha Quiz club member, GEC

SKILLS

Programming Languages and Frameworks

Python, C C++, MySQL,HTML,CSS

Languages

English(Fluent), Malayalam(Native), Hindi(Fluent), Tamil(Intermediate)

AWARDS AND SCHOLARSHIPS

NPTEL certification in Deep learning , IIT Kharagpur
NPTEL certification in Machine Learning , IIT Kharagpur