Md. Sahebur Rahman

CONTACT

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SUMMARY

I have strong expertise in analog and digital electronics, along with a deep understanding of microcontroller systems. I am experienced in event management and thrive in teamwork environments, ensuring smooth collaboration and execution. With excellent time management skills, I also have proficiency in C++, MATLAB, and Proteus, which enhances my problem-solving abilities. I am committed to innovation, continuous learning, and approaching challenges with determination and confidence.

SKILLS

- Analog Circuit Designing
- Microcontroller and embedded system
- Programmable Logic Controller Programming
- C++ Programming
- MATLAB Coding
- PC Building Knowledge
- Power Electronics

LANGUAGES

Bengali: C2

Proficient

English: B2

Upper Intermediate

Hindi: A2

Elementary

SOCIAL NETWORKS

- www.linkedin.com/in/saheburrahman

EXPERIENCE

Robotics and Machine Learning Assistant Engineer
02/2024 - Current

- **Audio-signal communication through light**: Implemented a system using pulsating LASER and solar panels to transmit audio signals effectively through light.
- **Real-time humidity and temperature monitoring system**: Designed a microcontroller-based system to monitor environmental conditions in real-time.
- **PID implementation on surveillance robot**: Developed a microcontroller-based PID controller for precise movement and stability in a surveillance robot.

Analog Circuit Designer Lead Engineer
01/2022 - Current

- Secure audio communication through light signal

EDUCATION

Higher Secondary Certificate: Science
Sohiuddin Degree College - Meherpur, Khulna, Bangladesh, 2018 - 2020
GPA: 4.75

- Secure the first position on a wireless energy-based science project.

Seconday School Certificate: Science
Meherpur Govt. High School - Meherpur, Khulna, Bangladesh, 2016 - 2018
GPA: 4.75

CERTIFICATIONS

- Secondary School Certificate
- Higher Secondary Certificate

HOBBIES AND INTERESTS

- Electronic Device Maintenance
- DIY Electronic Projects
- Competitive Gaming

PROJECTS

- Audio-signal communication through light (based on pulsating LASER and solar panels).
- Microcontroller-based real-time humidity and temperature monitoring system.
- Microcontroller-based PID implementation on surveillance robot.
- Automatic short circuit detection using an operational amplifier and MOSFET.
- Museum entrance and crowd-control solution.
- High-frequency Tesla coil with up to 1 inch spark.
- Wireless energy transmission.

ACCOMPLISHMENTS AND AWARDS

- DEANS LIST HONOR'S
- Secured Second Place in a Poster Presentation on Quantum Dots

CAREER GOALS

- Pursue a career in the semiconductor industry, contributing to innovative technologies.
- Specialize in the maintenance and optimization of advanced electronic systems.
- Ensure the reliability and security of complex electronic machinery.