Md. Hasibul Hasan

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EDUCATION

Bangabandhu Sheikh Mujibur Rahman University, *Oct 2024-Current*
B.Sc in Computer Science & Engineering.

SKILLS

- **Frontend:** Tailwind CSS, Bootstrap, JavaScript, React Js
- **Backend:** Django
- **DevOps:** Aws, Docker, Git & GitHub
- **Database:** MySQL, MongoDB, PostgreSQL
- **Python:** NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow, Keras, PyTorch, OpenCV
- **IOT:** Arduino, Nodemcu, Esp32, Raspberry Pi.

INTERNSHIP/EXPERIENCE

- IT Wing at BSMRU Computer and Programming Club -BCPC *Nov 2024-Current*

PROJECTS

WiFi-Based Incubator Controller Using ESP32 *Aug 2024*

- Designed and implemented a smart egg incubator system with remote monitoring and control capabilities using WiFi.
- Utilized sensors (e.g., temperature, humidity) for real-time data collection and transmitted inputs to an Arduino/microcontroller for efficient incubation.
- Developed a user-friendly interface for monitoring and adjusting incubation parameters via a smartphone or web application.

Line Following Robot Using Arduino *Sept 2023*

- Automated robot follows a visual line embedded on the surface using the behaviour of light.
- IR transmitters and receivers (photodiodes) are used which passed the input to the Arduino and hence it output controls the bot.

Fire Detection and Suppression System *Jun 2023*

- Designed an automated system that detects fire using flame and temperature sensors, triggers and alert and activates a water sprinkler system to extinguish the fire. Ensured rapid response for fire safety in residential and industrial setting.

ACHIEVEMENTS

- Received First Prize at a Science Fair for developing an innovative WIFI Based Egg Incubator, showcasing advanced automation, environmental monitoring, and user friendly remote control system.

INTERESTS

Machine Learning & Artificial Intelligence | Working in real life projects | Learning new tools