HAYAT JAHANGIR KHAN

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EXPERIENCE

- **Field Engineer| Aarviencon limited {Client HPCL,Hissar, Haryana} (Mar 2022-Present)**
  Shift incharge, Analyzed the current system of Alarm detection and resolution (Pids, Lds, oneview), Coordinate with other location for product availability and Tank availability for pumping product to other location through pipeline, Analyzed (PLC, RTU, SCADA),Incharge in Electrical department (substation, Documents work and other Electrical equipment on Station.

- **Scada Engineer|ECIL(Bharathi Industrial Controls{Client HPCL, Punjab} (Aug'21-Mar'22)**
  Scada & RTU Maintenance, ECScada Server maintenance(SQL plus for Database), web Server(Html, Visual Studio 2008,for backup web server Database use Microsoft SQL Server Management Studio) APPs Server(Leak Alarm Detection using Lds System) Database(Oracle Enterprise Manager Console)

- **Electrical Engineer| Aacess Equipments (Hyderabad) (Nov'2019-May'2020)**
  Electrical Design & Control Panels Wiring for Home LIFTS, Industrial Cranes, Battery Operated Trucks & Trolley's, Welding Equipment's, Cable Pulling Winches.

- **Internship:** Practical Training Program at "132/33 KV, 120 MVA Grid Station Pattan Sopore J&K". (June'19-July'19)

- **Internship:** Practical Training Program at "132/33 KV, 95 MVA Grid Station, Sopore J&K". (Jan'15-Jan'15)

SKILLS

- **Java, HTML, CSS, JavaScript, SQL, MS-Excel**
- **Electrical Design and Drafting, Industrial Automation,**
- **PLC, SCADA, RTU, PIDS, ONEVIEW, LDS**

EDUCATION

- **B.E (Electrical and Electronics Engineering)| Deccan College OF Engineering & Technology (Hyderabad) *CGPA: 6.59 | (July'2017-Sep'2020)***

- **Electrical Engineering | Govt Polytechnic College Baramulla (Jkbote, J&K)**
  . 64% |(June'2012-Dec'2015)

- **10th (UP BOARD)| N P Inter College, Aligarh, UP 72%| (Mar'2011-June'2012)**

- **PGDIA| Prolific (Gurugram, Haryana) (May'2016-Oct'2016)**

ACADEMIC PROJECTS

- **Innovative and Advanced Technology for Smart Home Controlling.**

Software Used: Arduino IDE & Embedded C.
Hardware Required Arduino UNO, Light sensor, Humidity sensor, Soil moisture sensor, Temperature, sensor, Batteries.
Description: Temperature Sensor is used to detect the temperature inside the smart home. Reading from the sensor is sent to the microcontroller. The microcontroller is connected to different relays. One of the relays is connected to a blower. If the temperature were above or below the threshold value, the microcontroller would send signals to turn ON the Fan. Light Sensor is used to detect the amount of sunlight inside the smart home. Reading from the sensor is sent to the microcontroller. If the Sunlight is above the threshold value, the microcontroller would send signals to turn ON the relay, which would, in real-time, be a 'shade' that would reduce the amount of Sunlight. For demo purposes, we have connected a DC motor to replicate a Shade. Similarly, the Humidity sensor is used to detect the humidity value and the Soil moisture sensor (two probes dug in the soil) is used to detect the soil moisture. If the humidity value detected by the sensor is above the threshold value OR if the soil moisture reduces, the microcontroller would turn on the blower to decrease the humidity and will open the water outlet to increase the moisture in the soil. At the same time, data regarding these parameters are sent to the IOT module (ESP8266).
Role: Prototype Development and Documentation.
Responsibilities: Managing the team, Testing, reporting, and rectifying all the errors in the development process.