Suraj Gupta

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OBJECTIVE

Results-driven Electronics Engineer with a passion for innovation and a proven track record in designing and developing cutting-edge electronic systems. Seeking a challenging role to apply expertise in circuit design, PCB layout, and embedded systems programming, contributing to the success of dynamic engineering projects.

ACADEMIC QUALIFICATION

Bachelor of Technology in Electronics and Electrical Engineering – ***Aug 2019 - Jun 2023***
Lovely Professional University (7.49 GPA)- Punjab, India

NEB (National Examination Board) – ***2016 - 2018***

Annapurna Model Collage (2.40 GPA)- Butwal

SLC – ***2016***

Ramgram School (2.8 GPA)- Ramgram, Parasi

WORK EXPERIENCE

ELECTRONICS ENGINEER ***July 2022 - Present***
Thoplo Machine PVT. LTD- Koteshwar, Kathmandu

Led end-to-end design and development of electronic system. Specialized in circuit design, leveraging expertise in analog and digital domains. PCB layouts, optimizing for signal integrity and adherence to industry standards. Proficient in embedded systems programming Arduino sketch, enhancing system efficiency. Established robust testing procedures, resolving issues through rigorous testing and debugging. Ensured regulatory compliance and managed successful product certification.

ACADEMIC PROJECTS

Title: Kitchen Security and Monitoring System
Team size: 4
Summary: IOT based kitchen security and Monitoring System was designed and implemented which can measures quantity of the grocery item, detect the gas leakage and real time data is stored in blynk cloud.

Title: Smart Irrigation System
Team size: 3
Summary: Designed and Implementation of Smart irrigation system was implemented which can detect the moisture level of soil, temperature humidity, based on the data given by the sensors irrigation in was done.

Title: Clapping Switch
Team size: 1
Summary: Designed a clapping switch circuit and implementation it on hardware using electronic component. Using this system, we can control electrical appliance by clapping or producing sound.

AWARDS & ACHIEVEMENTS

- Recent Advances in Freeform Electronics
  https://www.coursera.org/account/accomplishments/verify/5VTDPP8HD33N

TECHNICAL SKILLS

- To design and implement Circuit Design.
- PCB Layout
- Simulation Tools (Spice, Matlab, Proteus)
- Test and Measurement Equipment

EXTRACURRICULAR ACTIVITIES

- Active member of the Event Club, contributing to the organization of various programs

PERSONAL PROJECTS

- **Control electrical appliances with voice command**
  This project allows to control electrical appliances by giving command to google assistant from anywhere of the world.
  https://youtu.be/lpIk2WuA-4E?si=ZcOG9rk--ti9huwY

- **Interface groove temperature and humidity sensor with seeeduino**
  Measured temperature and humidity present in the air using sensor.
  https://youtu.be/N7QurlYxbs0?si=GefUh7AIUWt7yTTG