DHIRAJ KUMAR

A PROGRAMMER

Gender: Male
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SKILLS

- **Languages**

  C, Python, Basic HTML and CSS

- **Software**

  Kicad, Arduino IDE, Eclipse for Esp –idf, Matlab

- **Platform**

  Comfortable in both Windows and Linux

HONORS & AWARDS

- Ranked in top 2.4% among 1.1 million students appeared in All India Engineering Entrance Exam 2012
- Ranked in top 40 among 1100 students appeared in jnv entrance exam 2006

CERTIFICATIONS

INTERESTS

- I like playing chess and walking

OBJECTIVE

Secure a responsible career opportunity to fully utilize my training and skills, while making a significant contribution to the success of the company.

EDUCATION

- **IIT ROPAR**

  B.Tech, Electrical Engineering 2012-2016

  -CGPA: 6.48

- **Vidya Niketan, Danapur, Patna**

  Class XII (CBSE) 2010-2012

  -Percentage: 79.0%

- **Jawahar Navodaya Vidyalaya Sitamarhi**

  Class X (CBSE) 2009-2010

  -CGPA: 9.6

NON ACADEMIC PROJECT

- **Smart Home Project**

  Designing electrical circuit for controlling electrical appliances like Brightness of LED bulb, Speed of Fan and on - off appliance using Esp32 with App and capacitive touch for User interaction.

- **Batch Tracking Device**

  Identification of ibeacon advertising data packet using esp32 for tracking location of students with help of standard MQTT and HTTP protocol.

ACADEMIC PROJECT

- **Medical Signal Telemetry**

  Supervisor: Dr. J S Sahambi, IIT Ropar **B.tech Project**

  - Transmission of ECG data via Low power zigbee, Computer from ECG machine to server
  - Publish ECG data on app for doctor

- **PQRS Detection of given signal using Matlab**

  Supervisor: Dr. Subrahmanyam Murala, IIT Ropar

  - Filter noisy signal
  - Measurement of key data regarding PQRS point

- **Low cost electrical locker using 3 way switch**

  Supervisor: Dr. Prabir Sarkar, IIT Ropar

  - Design two face of 3 way switch
  - One face is for set password and Another is for unlock gate
  - Iron rod is pushed using electromagnetic force principle

- **Training under Mejia Thermal Power Plant, DCV (2014) and under GGSSTP, Ropar (2015)**