Nishant Kumar Tripathi

Electronics and Communication Engineer

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Bamrauli, Pin Code-211012, Prayagraj, INDIA

EDUCATION

B-Tech (Electronics and Communication Engineering)

Lovely Professional University

08/2017 - 06/2021 *CGPA: 8.17*

XII(CBSE)

Air Force School, Bamrauli

07/2016 - 03/2017 *Pourcentage: 67.80%*

Cours

- Physics, Cemistry, Mathematics, Biology, English

X(CBSE)

Air Force School, Bamrauli

04/2014 - 03/2015 *CGPA: 9.4*

SUMMER TRAINING AND WORK EXPERIENCE

Embedded Systems and IoT

ZEEE, Lovely Professional University

Area of Work

- In the training I learnt about embedded systems and IoT and I also designed a voice controlled robot.

Admission Counselor

Lovely Professional University

05/2019 - 07/2019

Work

- I worked as an admission counselor in department of admissions at Lovely Professional University.

ACHIEVEMENTS / PARTICIPATION

Published a Research Paper on SmartMet(Smart Helmet) - JXAT/7591

Participated in Smart India Hackathon(University Round)

1st Position: Round Table Conference(District Level)

Industrial visit to Semiconductor Laboratory (SCL), Mohali, Chandigarh

Participated in the Home Automation workshop, Lovely Professional University.

Participated in Industry 4.0 workshop, Lovely Professional University.

3rd Position in Inter Hostel Marathon, Lovely Professional University

SKILLS

- Firmware programing
- Internet Of Things
- Microprocessor and Microcontroller
- C/C++ Programing
- Communication System - Analog and Digital

PROJECTS

Smart Helmet- Smartmet

- In this project, a multipurpose smart helmet was designed that can be used by both the driver of a two wheeler and the construction/mining worker. It detects alcohol, accident and pulse rate and in case of any adversity the location can be sent directly to either any nearby hospital or to a friend so that the person can be helped.

Animal repellent for crop protection (02/2020 - 04/2020)

- In this project, ultrasonic sound is produced that can repel animals so that crops can be protected. We used motion sensors that detects the presence of animals and in case an animal is found, the message is sent directly to the owner and at the same time ultrasonic sounds are also produced that repel animals.

Intelligent water leakage detection system (09/2019 - 10/2019)

- In this project, flow sensors are used to detect water leaks to avoid wasting water in underground pipes. As soon as a water leak is detected, the message is sent directly to the authorities concerned.

Smart energy management system (08/2019 - 09/2019)

- It is an automatic system in which lights, fans and other electronic devices can be connected with arduino uno and RTC so that electronic devices can be turned on and off at any given time. In this way, time and electricity will not be wasted.

POSITION OF RESPONSIBILITIES

Technical Lead in Student Research and Project Cell, Lovely Professional University.

Coordinator in Toka Era, Lovely Professional University.

Coordinator in Robotics Fashion Show, Lovely Professional University.

LANGUAGES

English
Full Professional Proficiency

French
Elementary Proficiency

Hindi
Full Professional Proficiency