

# Ravinder Kumar

Contact: 7060325305

Email Id: [yrvinderkumar33@gmail.com](mailto:yrvinderkumar33@gmail.com)

## Career Objective

Seeking a position to utilize my skills and abilities in the organization that offers professional growth while being resourceful, innovative and flexible. Willing to work as a key player in challenging and creative environment.

## Education Credentials

Year(s)	Qualification – Degree / Diploma / Certificate	Board/University	College / Institute / University	Percentage / CGPA
2014-18	B.Tech -Computer Science Engineering with Specialization in IT Infrastructure Management	University of Petroleum & Energy Studies, Dehradun	SoCSE	2.89 CGPA (till 6 <sup>th</sup> sem)
2014	XII	Central Board of Secondary Education	Nav Jyoti Sr. Sec. School, Pithrawas	73
2012	X	Central Board of Secondary Education	Kendriya Vidhyalaya Kosiwas, Rewari	10 CGPA

## Certifications:

- **CCENT**(Cisco certified entry level technician) – Cisco ID : CSCO13221857

## Projects Undertaken

### Summer Internship Project

**Company-** NR Switch N Radio Services Pvt. Ltd.

**Duration-** May 2017 – Aug 2017

**Project Title-** Testing of C-DOT MAX-NG Project (CACU/LAGU)

**Role** – Engineer IT

**Key Skills** – Installation, Testing, Configuration and Troubleshooting of MAX-NG IT infrastructure (CACU, LAGU, Thin clients, Cisco Catalyst 3750 Series L3 Switches, VoIP phones).

**Description-** the Centre for Development of Telematics (C-DOT) in close cooperation with BSNL is upgrading its current RAX technology to MAX-NG for NGN (Next generation Network Services). The up-gradation of MAX-NG would be implemented through BSNL network across the country within 2-3 years

Correspondence Address: University of Petroleum & Energy Studies, Energy Acres P.O. Bidholi via Prem Nagar Dehradun-248007(Uttarakhand), India

# Ravinder Kumar

Contact: 7060325305

Email Id: [yrvinderkumar33@gmail.com](mailto:yrvinderkumar33@gmail.com)

---

upgrading around 2.5 crore Exchange and will bring VoIP and other broadband services to the aging fixed line infrastructure.

## Training Undertaken

- Visited Dell EMC, Bengaluru as a part of industrial training visit.

## Internship/Projects

### ➤ **Funded Projects under RISE (Research Internship for students of Engineering):**

#### **1. Project 1 (Rs. 25000)**

**Company-** RISE UPES

**Title-** UART based implementation of LIFI using PLC

**Duration-** Aug 2016-Nov 2016

**Description-** Project includes building a prototype for emerging LI-FI (light fidelity) which is a visible light based communications technology that delivers a high-speed, bidirectional networked mobile communications using LED.

#### **2. Project 2 (Rs. 20,000)**

**Company-** RISE UPES

**Title-** Universal Language Translator using Raspberry Pi

**Duration-** Aug 2016-Nov 2016

**Description-** Project includes building a prototype of a language translator which is capable of translating human speech into 60 different languages by making use of open source API's.

#### **3. Project 3 (Rs. 25,000)**

**Company-** RISE UPES

**Title-** Li-Fi based smart homes

**Duration-** April 2017-ongoing

**Description-** Proposed model is the integration of Li-Fi technology with IOT to create a smart home automation system.

Capable of (I) Remote Management (turning on/off electric appliances from anywhere) (ii) Intrusion Detection (III) Safety Control etc.

#### **4. Project 4 (Rs. 25,000)**

**Company-** RISE UPES

**Title-** Universal language learning system

**Duration-** April 2017-ongoing

# Ravinder Kumar

Contact: 7060325305

Email Id: [yrvinderkumar33@gmail.com](mailto:yrvinderkumar33@gmail.com)

---

**Description-** Project includes development of a handheld device with a smart interface and optimized voice based search engine. This device will act as your personal assistant. It'll help you get things done.

## ➤ MINOR Projects

### 1 MINOR 1

**Company-** UPES

**Title-** Automobile Monitoring Tool

**Duration-** 5 Months (Aug 2016-Dec 2016)

**Description-** Project includes development of a UI based system to monitor vehicles remotely with collision detection system and V2V (vehicle to vehicle) communication system.

### 2 MINOR 2

**Company-** UPES

**Title-** Augmented reality based human assistant

**Duration-** 5 Months (Jan 2017- May 2017)

**Description-** Project includes development of augmented reality based human assistant which can perform some simple to advanced computations with features like college ID card detection, Text recognition, smart image search.

## ➤ Web Development Project

**Title-** Livedisqus.in

**Description-** Project includes development of a fully functional dynamic website for students of our university with dashboard feature which assists them in their academics and prepares them for their placements.

## Academic/ Co-Curricular Achievements/Activities

- Secured first position in Project Parliament held by IT Conclave 2016 for best minor project.
- Certification of Merit from CBSE for 10 CGPA in X.

### **Publications:**

- Ravinder Kumar, Pushap Saini, Gautam Kumar (2016). "**Automobile Monitoring Tool**", International Journal of Engineering and Computer Science (IAECS) ISSN: 2319-7242 Volume 5 Issue 11 Nov.2016, Page No.19132-19134.
- Ravinder Kumar, M. Nihal Chidambaram, P. Srikanth (2017). "**Monitoring and Connecting Vehicles using RFID**", International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE) ISO 3297:2007 Certified, Vol. 6, Issue 2, February 2017

Correspondence Address: University of Petroleum & Energy Studies, Energy Acres P.O. Bidholi via Prem Nagar Dehradun-248007(Uttarakhand), India

# Ravinder Kumar

Contact: 7060325305

Email Id: [yrvinderkumar33@gmail.com](mailto:yrvinderkumar33@gmail.com)

---

- Ravinder Kumar, Prem Kumar Ch. (2016), "Universal Language Translator Using Raspberry Pi", International Journal of Engineering Research in Computer Science and Engineering (IJERCSE) Vol 3, Issue 1, January 2016
  - Certificate of paper acceptance for paper titled "UART based implementation of LIFI using PLC" at 10th **IEEE ANTS 2016** Bangalore.

## CISCO Netacad Training Certifications

1. Introduction to IOT
2. NDG Linux Essentials
3. Letter of merit from cisco signed by CEO Chuck Robbin.

## Technical Skills:

- Having sound knowledge of Cisco Routing and Switching and IOT
- Installation, configuration and troubleshooting of LAN/WAN
- **Soft wares:** MS Office, Cisco Packet Tracer, GNS3, OTRS, Unity 3D , Arduino
- **Languages:** Shell Scripting, Python, Java, HTML, CSS, PHP.
- **Operating Systems:** CISCO IOS , LINUX ( RHEL , Ubuntu ), Windows (7,8,10)

## Skill Set:

- Excellent communication and presentation skills
- Good analytical abilities
- Confident
- Patient and polite
- Adaptive to environment

## Personal Details

Date of Birth (DD-MM-YYYY)	:	14-05-1995
Father's Name	:	Mr. Ram Singh
Mother's Name	:	Mrs. Sheela Devi
Gender	:	Male
Category	:	OBC
Nationality	:	Indian
Mobility	:	Willing to relocate anywhere in India or overseas
Home Town	:	Rewari, Haryana
Permanent Phone No.	:	7060325305
Languages Known	:	English & Hindi

Correspondence Address: University of Petroleum & Energy Studies, Energy Acres P.O. Bidholi via Prem Nagar Dehradun-248007(Uttarakhand), India