

C-274 (A), Indra Vihar,
Kota, Rajasthan.

NISCHAY GUPTA

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CAREER OBJECTIVE

To be an innovator and make successful contribution in the field of technology by delivering the best in class technical skills and fostering innovation practices.

EDUCATIONAL QUALIFICATION

Degree	Discipline	Institute	Year	CGPA / Percentage
Bachelors of Technology (B.Tech)	Electronics & Communication	Jaypee Institute of Information Technology, Sector 62, Noida.	2016	7.5/10
Senior Secondary	CBSE	Modern Senior Secondary School, Kota.	2012	89.40 %
High School	CBSE	Modern Senior Secondary School, Kota.	2010	87.40 %

INDUSTRIAL EXPERIENCE

Wipro Limited, Greater Noida, India

[February '16 - June '16]

Trainee

"Assurance Customer Service Problem Management through SDN"

The project deals with creating a blueprint network of integrated Openstack and OpenDayLight. A conducive environment is created where user can implement his northbound applications.

Philips India Limited (Healthcare Innovation Center), Pune, India

[June '15 - July '15]

Research Intern

"Philips B.V.Vectra Mobile C Arm System"

All basic steps involved in manufacturing of the machine such as Mechanical, Electrical, MVS Assemblies, Testing, Quality checking and packaging were carried out. **Six Sigma Lean** methodology was adopted and several suggestions including Visual Control in Lean Manufacturing were also proposed to reduce the Lead Time.

Received a Letter of Appreciation from General Manager of Manufacturing and Business Excellence, Healthcare Innovation Center, Philips India Ltd. after successful completion of the internship.

ENTREPRENEURIAL INITIATIVE

Technical Officer of "We Do Sky, New Delhi"

[July '14 – Feb '16]

- **Co-developer** of several **Data Science** Projects carried out by We Do Sky such as generation of NDVI based Aerial maps for smarter farming decisions, Generation of high resolution 3D Maps & 360° panoramas for Real-estate properties and Generation Aerial films & videos for various Mega shows & events.

Co-Founder of "Robo-Vito Laboratories, Noida"

[Sept '12 – July '14]

- **Co-taught Autonomous & Manual Robotics** to various undergraduate college and school students in many workshops and camps throughout the tenure. Shared responsibility for developing lecture content, home assignments, & competitive events. Also, handler of **marketing & advertising budgets** of the startup.

TECHNICAL & INDUSTRY SKILLS

- **Programming languages:** Basic C, Basic Java, HTML, CSS, SQL
- **Areas of Interest:** Robotics, Drones, Telecommunication.
- **Industry/Manufacturing Skills:** Integration of Six Sigma Lean methodology in Product development.
- **Software Packages:** MATLAB, Cadence Orcad, Cadsoft Eagle, Arduino IDE, TSpice, Ledit, Adobe Photoshop, Adobe Dreamweaver.
- **Hardware Skills:** Arduino Development Board, Atmega 328, PCB Fabrication & Soldering.
- **Web Development Tools:** Phpmyadmin, Wamp/Xampp Servers, FileZilla, WordPress, Joomla, SQL Enterprises.
- **Hacking/Forensic Tools:** N-map, Cain & Abel, Ophcrack, Netsparker, Acunetix, Helix, Encase, FTK, Recuva, Deft.

ACHIEVEMENTS & HONORS

- **First Prize** in Autonomous Robotics Event during **INNOVISION**, the Technical fest of **NSIT, Delhi**.
- **Second Prize** in Vortex, an Autonomous Robotics Event during **TECHFEST-2015**, the Technical fest of **IIT Bombay**.
- **Second Prize** in Autonomous Robotics event at Technical fest of **IGDTU, Delhi**.

- **Second Prize** in Compito Impromptu, an Autonomous Robotics Programming inter-college event.
- **Finalists** in Canyon Rush, a Manual Robotics Event during ROBOTIX in **KSHITIJ 2014**, the Techno-Management fest at IIT Kharagpur.
- **Best Mechanism Award** in Numerthon, a Manual Robotics inter-college event.

KEY PROJECTS UNDERTAKEN

AERIAL IMAGING FOR AGRICULTURE THROUGH NDVI

- The Aim of the project was to **evaluate the health of vegetation**. A digital camera was converted into an infrared camera which was mounted on a drone. Aerial photos clicked with the IR Camera were processed using NDVI algorithm and the obtained images determined the health of the plant.

WIRELESS REMOTE FOR CANON CAMERA

- A **Wireless Remote** which can control all functions of the camera such as Zooming in and out, clicking photos, switching between video & image modes etc. was developed. The application was to control the camera from a distance. **For e.g.** Camera mounted on a **drone** can easily be controlled to capture Aerial images & videos.

SOCIAL MEDIA ANALYSIS TOOL

Guide: Dr. Manish Kr. Thakur, Department of Computer Science Engineering, IIIT Noida

- A standalone **Windows Desktop Application** which behaves as an **Analytics Tool for Social networking** behavior of the users was developed. This application helps us to find users of different social network sites & analyze their behavior using different graph plots. **For e.g.** Graphs between Likes, Comments, Share, Follow etc. with respect to each other can be easily plotted.

RESEARCH & PUBLICATIONS

- **Gupta, N.**, Makkar, J., Pandey, P., “*Obstacle Detection and Collision Avoidance using Ultrasonic Sensors for RC Multirotors*”, 2015 International Conference on Signal Processing & Communication (ICSC-2015), IEEE. pp. 419-423, 16-18 March 2015. DOI: 10.1109/ICSPCom.2015.7150689. [IEEE Xplore]
Publication Link: <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7150689>
- Dev, T., **Gupta, N.**, Goel, Y., “*The Master Slave Evolution of Technology and Culture: An Exposition on Culture shaping machines and machines shaping Culture*”, 2016 Gyancity Journal of Engineering and Technology. ISSN: 2456-0065. DOI: 10.21058/gjet.2016.2203
Publication Link: <http://gjet.gyancity.com/Vol2No2/Vol2No2Paper3.pdf>

EXTRA CURRICULAR ACTIVITIES

- **Volunteer** at “**UMEED: A Drop of Hope**” NGO’s event ‘*Knowledge for all*’. Mission Knowledge For All (KFA) is a national level program which is committed to provide basic education and healthcare to the under privileged children.
- **Head Student** Coordinator of **μCR**, Micro-Controller based Robotics Hub, IIIT Noida.
- **Vice Chair of IEEE Student Branch STB-01711**. Student Coordinator of Organizing Committee in International Conference of Signal Processing & Communication 2015.
- Social Media Team Member in one of the biggest Technical event, **SAP Techniversity** in 2014 at IIIT Noida.
- Contributed towards SmartBook **Beta-Testing** at **Tata Mc Graw Hill Education**, Noida.
- Participated in **Jaypee Model United Nations** as a Delegate of Czech Republic in General Assembly at Jaypee United Nations Conference, 2013.
- **Campus Ambassador** at Thomso, IIT Roorke 2013 and Prastuti, IIT BHU 2013.