**Jyoti Gangwar**

**Master of Technology (CS)**

**Poornima University Jaipur**

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**+ 91-8077789135**

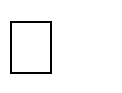
**Email: Agnesjyoti28@gmail.com**

**Gangwarpinki05@gmail.com**

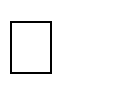
# Career Objective

To pursue a challenging career and be part of a progressive organization that gives scope to enhance my knowledge, skills and to reach the pinnacle in the research field with sheer determination, dedication and hard work.

# Area of Expertise

  **C++, Linux, Networking, Multithreading, Data Structure**

# Profile Brief

 I have 3.8 year of Networking & WIRELESS Technologies C++ languages using concept of multithreading.

# Professional Experience

**Organization** – Nex-G Exuberant Solution Pvt. Ltd. Noida

**Designation –** Intern Network Innovation Engineer

**Duration**, February, 2015- to August 2015

**Organization:** DP project development Pvt. Ltd., Ghaziabad

**Designation**: NS-2 Developer

**Duration:** December 2015- to 25 August 2017

**Organization:** IQRA Software Technologies Private Limited

**Designation**: Software Developer

**Duration:** March 2018- to March 2020

## Designation – Network Simulation Engineer

**Project Name #1 :** Cognitive Radio in Spectrum Diversity

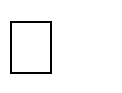
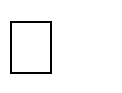
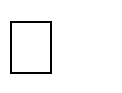
**Domain :** Cognitive Radio Networks

## Technologies : C++

Implementation : NS-2 (Network Simulator)

**Platform :** Linux **Project Description :**

Created & Integrated cognitive radio networks.



Developed new algorithms using C++ with multi-threading concepts related to real time environment. Used TCL as front End Development Language.

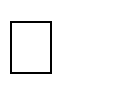
**Project Name #2 :** Calculate Energy & Trust value of every node in WSN and generated the group of clusters

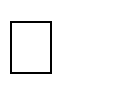
**Domain :** WSN **Technologies : C++**

**Implementation :** NS-2 (Network Simulator)

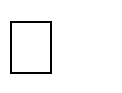
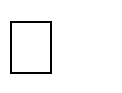
## Platform : Linux

**Project Description :**

 Firstly, processing a Certificate Revocation method, according to this the network is divided into different clusters and CH nodes are elected.

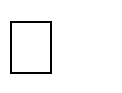
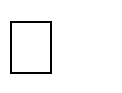
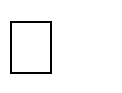
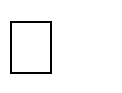
 Certificate Revocation method is able to revoke malicious nodes certificate quickly on the basis of one vote from the neighbor.

Developed project for the purpose of secured network Used TCL as front End Development Language.



**Roles & Responsibilities:**

To develop the projects using NS-3, LTE-Sim, NS-2 other wireless Tools.

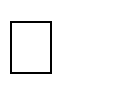


To provide training to clients on Networking Tools operations, Functions and their application To conduct research in order to provide inputs to a new project To conduct online NS-3/NS-2 workshops.

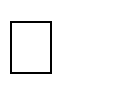
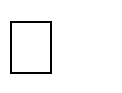
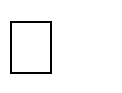
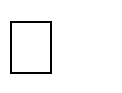
**Project Name #3 :** Enabled Open flow Network

## Domain : SDN Technologies : C++, python Platform : Linux

**Roles & Responsibilities:**

 Work as a product client team developer on a variety of platforms including Windows, Linux distribution using C++.

Development of new modules for Linux C++ applications.

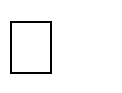


Optimization and tuning of previous applications.

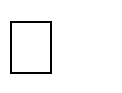
Worked as a development engineer, mainly on C++, data structures, UNIX, multi-threading.

Designed and developed the program module to manage messages incoming from the Internet and convert HTTP, SMTP and SNPP protocols to the internal protocol.

# Academic Profile

 M. Tech. in **Computer Science & Specialization in Networking** from the Department of Computer Engineering, Poornima University Jaipur. 2013-2015.

M.Sc. IT in **Information Technology** from Uttarakhand Technical University, Dehradun. 2010-2012.



BCA in **Computer Application** from MJP Rohilkhand University, Bareilly. 2007-2010

Intermediate from Uttar Pradesh board. 2007

High school from Uttar Pradesh board. 2002

**Dissertation**

**M.TECH (2013-2014)**

Performance Analysis of Routing Protocol in Mobile Ad-Hoc Network in NS-3

**M.TECH (2014-2015)**

Real Time Monitoring and Performance Evaluation of SDN Enabled Network Infrastructure

## Area of Interest

Multithreading

Networking Receiver Simulation Model

Routing Protocol

C++

Linux Data Structure

## Programming Language

**Simulation Tools:** NS-3/NS-2, LTE sim, Wireshark

**Language:** C++, Data Structure, Multithreading

**Operating System:** Linux, Ubuntu, Windows 7/10

## Diploma

Advance Diploma in NS-3 Simulator.

Core Java from NIIT Dehradun.