

**Vartika Mohan**

B.Tech (I.T.), M.Tech(CSE) with 3 years of experience as Software Developer(c++, linux, Qt) in DRDO, Hyderabad. Seeking job as Software Developer / Data Scientist with an organization of repute in the MNCs.

Willing to join immediately

Current Location: Hyderabad / Secunderabad

Total Experience: 3 Year(s) 0 Month(s)

Pref. Location: Pune,Gurgaon,Hyderabad

Notice Period: Currently Serving Notice Period

Functional Area: IT Software - Application Programming / Maintenance

Highest Degree: M.Tech [Computers]

Role: Software Developer

Industry: IT-Software/Software Services

Marital Status: Single/unmarried

Key Skills: C++,qt creator,Machine Learning,Artificial Intelligence,Linux,c++ developer

Verified : Phone Number | Email - id

Last Active: 21-Jan-21

Last Modified: 21-Jan-21

## Summary

? M.Tech. in Computer Science & Engineering, offering 3 years of experience in Solution Design & Development and Project Execution for Research & Development to assist the Indian Armed Forces

? Proficient in grasping the big picture, conceptualizing, developing, implementing solutions, and collaborating with the stakeholders to achieve higher levels of efficiency & effectiveness

## Work Experience

**DRDO, Hyderabad** as Research Fellow  
Dec 2017 to Dec 2020

? Developed the Functional Monitoring Unit for NCW\_C2C using C++ and QT Creator to fetch the system's resource & network details and verify the live status & exceptions offered by other systems & applications running in the same

? Experienced in conducting detailed requirement analysis for software development & the framework of the same for Network Centric Warfare Command and Control Centre (NCW\_C2C) with distributed architecture and Data Distribution Service (DDS) communication protocol

? Monitoring & ensuring the framework for the DDS communication protocol is always up & running, and developing the same to assist other developers to build further applications on it

? Steering detailed study & research on Artificial Neural Network and Convolutional Neural Network

? Managing designing and development of framework libraries for logger (using Google Logger) Exception Handler and System Health Monitor

? Rich exposure of Data Science practice; analysing problems and uncovering opportunities using predictive analysis

? Knowledge of AI & ML algorithms; studied K-Nearest Neighbour, Artificial Neural Network, SVM, and K-Means algorithms for Target Classification (Class 2 problem) using Scikit Library and Python

? Implemented Convolutional Neural Network (used for image classification) using Python & Caffe for Target Classification using simulated data for Predictive Analysis Engine Module of NCW\_C2C

? Expertise in formulating technical documents such as SRS, SDD, STP and STR for all modules of NCW\_C2C based on IEEE-12207 standards

## Education

UG: **B.Tech/B.E. (Information Technology)** from **Punjab Technical University (PTU)** in **2014**

PG: **M.Tech (Computers)** from **Jaypee Institute of Information and Technology, noida** in **2017**

## IT Skills

Skill Name	Version	Last Used	Experience
C++		2020	3 Year(s) 0 Month(s)
SERVLETS			0 Year(s) 6 Month(s)
NETBEANS			0 Year(s) 6 Month(s)
QT Creator.			3 Year(s) 0 Month(s)
Deep learning	0		1 Year(s) 0 Month(s)
MACHINE LEARNING	0		1 Year(s) 0 Month(s)
CORE JAVA	0		0 Year(s) 6 Month(s)
Software Development		2020	3 Year(s) 0 Month(s)
REDHAT LINUX	6, 6.5, 7	2020	3 Year(s) 0 Month(s)

## Languages Known

Language	Proficiency	Read	Write	Speak
English	Expert			
Hindi	Expert			
punjabi	Proficient			

## Projects

Project Title: **Network Centric Warfare Command And Control Center**

Client: **RCI - DRDO**

Nature of Employment: **Full Time**

Project Location: **Hyderabad**

Role: **Programmer**

Skill Used: **C++, QT creator by**

Role Description: **reasearch and development**

Project Details: **Functional Monitoring Unit to keep continuous check on health and liveliness of other modules as well as systems**

Duration: **Dec 2017 - Dec 2020**

Onsite / Offsite: **Onsite**

Team Size: **15**

Project Title: **Network Centric Warfare Command And Control Center**

Client: **RCI - DRDO**

Nature of Employment: **Full Time**

Project Location: **Hyderabad**

Role: **Programmer**

Skill Used: **caffe, deep learning, machine learning**

Role Description: **research and development**

Project Details: **predictive analysis engine for target classification**

Duration: **Dec 2017 - Dec 2020**

Onsite / Offsite: **Onsite**

Team Size: **15**

**Affirmative Action**

Category: General  
Physically Challenged: No

**Work Authorization**

Job Type: Permanent  
Employment Status: Full time