

# Manohar Palanisamy

## Machine Learning Enthusiast

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I am a machine learning engineer, tech content creator, and blogger with 2 years of professional experience in Research & Development and 4 years of experience in tech content creation.

I am enthusiastic about cutting-edge technology and solving real-world problems.

I have written many articles about coding and the technology involved in machine learning and artificial intelligence. It made me proud to be a researcher.

### PROFESSIONAL SUMMARY



- In Depth understanding of ML algorithms like Linear Regression, Logistic Regression, Knn, Naive Bayes, Decision Tree etc.
- Good understanding of Artificial Neural Networks and Autoencoders, RNN, LSTM, GRU, BRNN, CNN, Residual Net, GAN, YOLO, SSD, Keras, TensorFlow, Theano, OpenCV, PyTorch.
- Good understanding of python libraries like Numpy, Matplotlib, Pandas, Scikit Learn etc.
- Good command in Big data platforms including Hadoop, MapReduce, HDFS, YARN, Hive, Pig, HBase, Sqoop, Flume, Spark, Scala, PySpark.
- Deep Coding skills in scripting and web development including Python 3, Java, C, C#, JSP, Servlets, Spring Framework, HTML5, CSS3, JavaScript, Ajax, jQuery, Bootstrap3, REST API, Http Server.
- Can handle Databases such as MySQL, MongoDB and worked on cloud and virtual platforms such as Cloudera, AWS EC2, S3 and Docker.

### WORK EXPERIENCE

<b>Executive Software Developer</b>	<b>Jan 2017 - Dec 2018</b>
QuantumLink Communications Pvt Ltd, Mumbai, India	
<b>Java Developer Intern</b>	<b>Mar 2 - Apr 7, 2016</b>
Vetri Systems, Salem, Tamilnadu	

### EDUCATIONAL BACKGROUND

<b>Bachelor of Engineering</b>	<b>2016</b>
Computer Science and Engineering - 67.9%	
<b>Higher Secondary</b>	<b>2012</b>
Mathematics and Computer Science - 80.3%	
<b>Secondary Schooling</b>	<b>2010</b>
Mathematics and Science - 90%	

### RESEARCH PAPER PUBLICATIONS

<b>National Conference on Engineering Applications for Developing Smart Cities</b>	<b>March 30, 2015</b>
(FAKE ACCOUNT ELIMINATOR)	

## CERTIFICATIONS

<b>Machine Learning Hands-on Python and R</b> SuperDataScience	<b>April 18, 2022</b>
<b>Machine learning</b> Stanford University	<b>Feb 5, 2022</b>
<b>Applied AI With Deep Learning</b> IBM	<b>Jan 21, 2022</b>
<b>Deep Learning and Computer Vision</b> SuperDataScience	<b>Dec 4, 2018</b>
<b>Spring RESTfulWebServices</b> AppLabs	<b>Jan 1, 2017</b>
<b>Advanced Java Programming</b> InfiniteSkills & Udemy	<b>Aug 8, 2016</b>
<b>Java Multithreading</b> Udemy	<b>Aug 8, 2016</b>
<b>C# Programming and SQLite</b> Udemy	<b>Feb 16, 2015</b>
<b>Android App Development</b> Udemy	<b>Mar 3, 2015</b>
<b>C and C++ Programming</b> Directorate of Technical Education	<b>Oct 10, 2014</b>

## HONOURS AND AWARDS

<b>Inter College Technical Quiz won 6th Place</b> out of 150 colleges in India	<b>Jan 8, 2015</b>
<b>Code Debugging First Prize</b> TECHMEET	<b>Mar 7, 2014</b>
<b>Private Cloud Networking First Prize</b>	<b>Sep 14, 2013</b>

## CREATIVE WORKS



<b>Marvel Image Classification(Live)</b>	<b>2020 - Current</b>
Machine learning using Resnet50 Architecture from Fast AI Library (Marvel Cinematic Universe) to classify Marvel Heroes based on 12 Classes (Super Heroes).	

## MACHINE LEARNING BLOGS



Developing Machine learning Notes for my reference and written some difficult topics on layman terms. which were inspired by Andrew NG, Computer Scientist.

## LINKEDIN



### **Distributed Deep Learning | Horovod | Message Passing Interface(MPI)**

The goal of Horovod is to make distributed Deep Learning fast and easy to use. The primary motivation for this project is to make it easy to take a single-GPU TensorFlow program and successfully train it on many GPUs faster.