




CONTACT

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LINKS

- GitHub: [AbhishekTyagi404](#)
- Blogs: [RoboticswithPython](#)
- Stack-overflow: [abhishek-tyagi](#)

SKILLS

Programming Languages – Python, C++, C.
Software – MATLAB, Auto CAD, CNC/NC, Microsoft office.
Other Skills – Deep Learning, Machine Learning, Tensor Flow, Keras, OpenCV, Raspberry Pi (3 B & B+, 4), Arduino Uno, Linux (Kali, Ubuntu, NOOBS), PLC, Embedded System [(Microprocessor- 8085, 8086), Microcontroller- 8051].

CERTIFICATIONS

- NPTEL:**
- [Introduction to ML](#)
 - [Introduction IoT](#)
 - [Computer Integrated Manufacturing](#)
 - [Fluid Mechanics](#)

- Various MOOC Courses:**
- [Deep Learning Specialization](#)
 - [AWS Courses](#)
 - [Google IT Automation with Python](#)
 - [EdX Certified C++ Microsoft](#)
 - [CS50x](#)
 - [Various Coursera Courses](#)

INTERESTS

- Artificial Intelligence
- Robotics
- Thermal Science
- IoT
- Mechanics of Material

EXTRA-CURRICULAR ACTIVITIES

Founding member of कृत्रिम-इंटेलिजेंस
IIF Member: DITE Incubation Center
Group head of NSS Awareness Program

PUBLICATION

- [Object Detection Raspberry Pi DRDO](#)
- [Exo-skeleton Arm Design – DRDO](#)
- [कृत्रिम-इंटेलिजेंस Rover – First Author \(Under Review\)](#)

Abhishek Tyagi

Last Updated on 10th September 2020

OBJECTIVE

To seek the challenging position in an industry that needs innovation, creativity, dedication and enables me to continue to work in a challenging and fast-paced environment, leveraging my current knowledge and fostering creativity with many learning opportunities.

EDUCATION

- **B. Tech (2017-2021) – Mechatronics Engineering** from **DELHI INSTITUTE OF TOOL ENGINEERING** (G.G.S.I.P.U – New Delhi) – 7.7 CGPA (Till 6th Semester)
- **10+2** from **C.B.S.E.** from **R.S.M. Saraswati Vidya Mandir (Meerut)**
- **10th** From **C.B.S.E.** from **L.R. Saraswati Vidya Mandir (Ghaziabad).**

EXPERIENCE & RESPONSIBILITY



Internship Trainee

INMAS, Defence Research and Development Organisation (DRDO)
from **4th June to 15th July 2019.**

Full-time Intern at DRDO (INMAS Lab) worked on Deep Learning & Embedded System.



Website Founding Member

www.roboticswithpython.com

Apr 2020 - Present (5 months +)

A non-profit educational website created with the vision of providing a platform to discuss and collaborate over projects focused in the field of Robotics.



DEEPLARNING.AI | Mentor Ambassador – October 2020

As a part of the program. I have to teach people in my city about machine learning and deep learning algorithms.



In-house Industrial Training (Winter Session 2019)

Delhi Institute of Tool Engineering

Computer Integrated Manufacturing & Workshop CNC/NC

PROJECTS

1. Object Detection by Raspberry Pi 3 B with Obstacle Avoiding Rover (Object Detection Raspberry Pi DRDO)
2. Exoskeleton Arm Design and Construction ([Exoskeleton Arm Design](#)).
3. A simple comparison between KNN, SVM, Decision Tree and Logistic Regression models on a given data set of loans records to get loan approval. ([Comparison between KNN, SVM, Decision Tree, Regression Models](#)).
4. Eye-Pupil Tracking and Gazing Media Player
5. Presented a Line Following Robot using Arduino UNO and a security alarm using LDR on Arduino UNO in my college (Delhi Institute of Tool Engineering).
6. Object detection and Age/Gender prediction on Raspberry Pi 3 Rover (Obstacle Avoiding) presented in DITE in presence of Deputy Chief Minister of Delhi.

ONGOING PROJECT

1. Surveillance drone using Tensor Flow and OpenCV on Raspberry pi 3 B with obstacles avoiding capabilities.