

Aniket Pathak

Quick learner with critical thinking abilities and good communication skills desirous of Summer Intern position in the fields of Computer Vision, ML and Robotics to work along with professors, engineers and other like minded people.



✉ 171230012@nitdelhi.ac.in

📍 New Delhi, India

in linkedin.com/in/aniket-pathak

☎ +91-9958659454

🌐 mynameispathak.github.io

🐙 github.com/mynameispathak

EDUCATION

B. Tech (Electrical & Electronics Engg.)

National Institute of Technology, Delhi

2017 – Present

New Delhi, India (GPA : 7.42)

Kendriya Vidyalaya Pushp Vihar

New Delhi (CBSE)

Examination

- Intermediate (2016) - 90%
- Matriculation (2014) - 10.0/10.0 CGPA

PROJECTS

Prescription pill detection/localization using Mask R-CNNs (01/2020 – 02/2020)

- Used Mask R-CNN in Keras
- Used NIH NLM Pill Image Recognition dataset.

Credit Card Number Identification - OCR (12/2019 – 01/2020)

- Detects the location of the credit card in the image.
- Recognizes the type of credit card (i.e., Visa, MasterCard, etc.)

Facial Emotion Detector (09/2019 – 11/2019)

- Used Viola Jones Algorithm for making the bounding box.
- Used PCA for dimensionality reduction and deployed a CNN based model for training on seven different human facial expressions.

Identification of Pets (07/2019 – 08/2019)

- Used CNN [Convolution - ReLu Layer - Pooling - Flattening- Full Connection] to predict if the image is a Cat or a Dog.

Automatic Feed Dispenser for Biofloc Technology based Artificial Fish Farming (08/2019 – 12/2019) [🔗](#)

- Built a real-time monitoring system for various parameters of water in the artificial tank using Arduino Uno.
- Built ML model to predict the exact amount of feed that needs to be distributed on a particular day depending on parameters.

Automatic Positioning System for the movement of Transducers in Acoustic Tank (05/2019 – 07/2019)

- Studied about Acoustic Tank and Acoustic Emission Transducers.
- Prototyped a model of automated systems in acoustic tank consisting of automatic linear motion of platforms, vertical motion of transducers and automatic water level monitoring.

Line-follower and Pathfinder (09/2018 – 10/2018)

- Made an autonomous bot on Arduino UNO that could follow a white line on a dark background and complete path in a maze.

SKILLS

Deep Learning

Machine Learning

Computer Vision

Predictive Modelling

IOT

Web Development

Python

C/C++

Tensorflow

Keras

Matlab

PUBLICATIONS

Encoder Decoder based Linear Discriminant Analysis Technique for the Condition Monitoring of Induction Motor using Stator Current Signal

Date of Publication IJSRD 7.11 (2020): 314-318

INTERNSHIPS

Indian Institute of Remote Sensing(IIRS), ISRO (2020)

Ship and Aircraft Detection in SAR and Optical Satellite Images using Deep Learning Techniques

National Institute of Technology, Delhi (2020)

Electricity Theft Detection using Wide & Deep CNNs to secure Smart Grids

Pronto Tel Pvt. Ltd. (New Delhi) (2019)

Bidirectional visitor counter using 8051 Microcontroller

Solid State Physics Laboratory, DRDO (New Delhi) (2019)

Design and development of Automatic Positioning System for the movement of transducers in Acoustic Tank

CERTIFICATIONS

Deep Learning Specialization (5 Courses) - deeplearning.ai

Machine Learning - Analytics Vidya (Internshala) (01/2020)

The Complete Web Developer: ZTM - Udemy (03/2019)

Huawei Certified Network Associate (HCNA) (03/2019)

e-Yantra Robotics Competition 2019 - IIT Bombay & MHRD

LANGUAGES

English & Hindi

Full Professional Proficiency

German

Elementary Proficiency