

# Aniket Pathak

Quick learner with critical thinking abilities, proficient in C++, PYTHON, and SQL. Looking to start a career as an entry-level software engineer with a reputed firm driven by technology and work along with other like-minded people.



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## 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) - 89.2%
- Matriculation (2014) - 10.0/10.0 CGPA

## PROJECTS

### Ship and Aircraft Detection in Satellite Images (05/2020 – 07/2020)

- Implemented YOLOV3, YOLOV5, Faster-RCNN and SSD.
- Technologies: Pytorch, DarkNet, Tensorflow, Python

### Wind Power Scenario Generation (02/2020 – 04/2020)

- Deployed and optimized ARIMA model on Kaggle Wind Dataset.
- Technologies: Python, sklearn

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

- Deployed a CNN based VGG16 model for training on seven different human facial expressions, used PCA for dimensionality reduction.
- Technologies: Keras, Tensorflow, Python

### Credit Card - 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.)

### T&P Website NITD (Front-end) (09/2019 – 10/2019)

- Designed complete Front-end of the website.
- Technologies: HTML, CSS, JavaScript, Bootstrap

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

- Used CNN [Convolution - ReLu Layer - Pooling - Flattening- Fully Connected] to predict if the image is a Cat or a Dog.
- Technologies: Python

### 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.

## SKILLS

C/C++

Python

Deep Learning

Machine Learning

Computer Vision

Predictive Modelling

Matlab

Front-end Web Development

Tensorflow

Keras

## PUBLICATIONS

Encoder Decoder based LDA 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)

Spatial Data Science: The New Frontier in Analytics (ESRI)

Front-end Web Development - Udemy (03/2019)

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

## LANGUAGES

English & Hindi

Full Professional Proficiency

German

Elementary Proficiency

## INTERESTS

Sci-fi Movies

Badminton

Reading Novels