

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

Tensorflow

Front-end Web Development

Databases

Matlab

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