

# Aniket Pathak

Quick learner with critical thinking abilities, proficient in C++ and having experience in Web Development and Machine Learning. Looking to start a career as an software engineer with a reputed firm driven by technology.



✉ 171230012@nitdelhi.ac.in

📍 New Delhi, India

in linkedin.com/in/aniket-pathak

📞 +91-9958659454

🌐 aniketpathak.live

🐙 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

- AISSC Examination (Class XII - 2016) - 89.2%
- Sec. School Examination (Class X - 2014) - 10.0 CGPA

## PROJECTS

### Blog website with Google Authentication (06/2020 - 07/2020)

- Developed a Blog website using MERN stack with Google Authentication.
- The blog has the following functionalities: Login, dashboard, show all posts, and create a new post.
- Technologies and frameworks: HTML, CSS, Node.JS.

### Wind Power Scenario Generation (03/2020 - 04/2020)

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

### To do list web app (04/2020 - 05/2020)

- Developed fully functional Todo list web app having three components add a new task, mark as complete and list of tasks.
- Technologies and frameworks: HTML, CSS, Express.JS, EJS, Node.JS, Heroku.

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

- Implemented YOLOV3, Faster-RCNN and SSD and achieved 55.3, 59.1 and 45.4 COCO mAP@.5 for the respective models.
- Technologies: Pytorch, DarkNet, Tensorflow, Python.

### Complete end to end Image Classifier (12/2019 - 01/2020)

- Trained a CNN based ResNet50 model on Imagenet Dataset.
- Deployed on Heroku using Flask.
- Technologies: Python, TF, Keras, Flask, Heroku.

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

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

### Other Projects

- Web Development: SimonGame, DrumKit, DiceGame, Countdown Timer.
- Machine Learning: Customer Churn Prediction, Big mart sales prediction, House price prediction.
- Electronics: Automatic irrigation / plant watering system, Line follower robot, RoboWar robot.

## SKILLS

C++

Python

JavaScript

Data Structures

Web Development

Machine Learning

OOPS

Git

Node.js

Flask

MySQL

HTML/CSS

Matlab

LaTeX

AutoCAD

## INTERSHIPS

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

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

### 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

Web Development - Udemy

Neural Networks and Deep Learning - deeplearning.ai

Machine Learning - Analytics Vidya (Internshala)

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

## LANGUAGES

English

Full Professional Proficiency

Hindi

Limited Working Proficiency

German

Elementary Proficiency

## POSITIONS OF RESPONSIBILITY

Executive Member of Technical Club NIT Delhi.

Taught in workshops for Juniors on Robotics and Web Development.

Member of Yoga Team NIT Delhi.