

Gaurav Singh

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Experience

BVCOE, New Delhi — *Project Intern*

Nov 2019 – PRESENT

We are implementing drone surveillance system using computer vision neural network for analysis and security visualization. This project aims for Motion analysis in Public place.

BVCOE, New Delhi — *Summer Trainee*

June 2019 - August 2019

A team collaboration on research training under mentorship of teachers on machine learning algorithm and parameter tuning.

Indian Railways, New Delhi — *Training*

Jan 2020 - Feb 2020

A training to study the working and implementation in Indian Railways of the signal system and power supply in it.

Projects

Airline Price Prediction (Python)

- This project is implemented while my summer training in group of four. Under this project we worked on the feature extraction from the complex and the dynamic dataset to apply it on model training with minimum complexity and excluding over fitting case.

CCTV Surveillance implementation (Python | Tensorflow)

- We are implementing drone surveillance system using computer vision neural network for security visualization. Under this project we are working on the deep feature analysis for the crowd detection and activity surveillance.

Daily Dairy record (Node.js | MongoDB)

- This project is I worked on while backend implementation on Web Technology. This project is implemented using NodeJS and MongoDB and deployed using the Heroku platform.

Deep Feature Extraction (Python | Keras)

- This project is implemented using Deep Convolution Network to track down various objects under a single Frame and analyse the frame after each convolution network to work on the Deep Features.

Achievement

Research Paper publish at REDSET 2019 Springer Nature Conference

Facebook Pytorch Scholarship Recipient 2020

Education

Bharati Vidyapeeth's College of Engineering, New Delhi *B-Tech* 2017 - 2021

Electronics and Communication Engineering | CGPA 8.6/10

Area of Work

Web Development
Machine Learning
Deep Learning
Data Structure and Algorithm
Computer Vision

Skills

Language:

C/C++, Python, JavaScript, SQL, MATLAB, MongoDB, Assembly, HTML, CSS

Libraries:

Node.js, Open CV, TensorFlow, Keras, Express.js, Pytorch, Bootstrap, My SQL, MongoDB

Technology:

Full Stack Web Development, Artificial Intelligence, Machine Learning, Deep Learning, Arduino

Operating System:

- Windows
- Linux

Soft Skills

- Communication skill
- Team work
- Adaptability
- Positive thinking