PAWAN KUMAR

Data Scientist

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EDUCATION

University of Petroleum and Energy Studies
B.Tech. in Computer Science

August 2016 – Present Dehradun, Uttarakhand

RPS Public school
(Intermediate-PCM)

June 2015 – May 2016 Rewari, Haryana

Perctange= 81%

RPS Public school
(Matriculation)

June 2013 – May 2014 Rewari, Haryana

Perctange= 81%

SKILLS

Python
C,C++, Java, DBMS
AngularJS, Nodejs
Data Science, Machine Learning
AWS

EXPERIENCES

Data Scientist
Pentagram Research Centre

Feb 2020 – Till date Hyderabad, India

Software Intern
Jamura Robotics

june 2019 – August 2019 Bangalore, India

Computer vision Intern
Vidado-nets

March 2018 – May 2018 Dehradun, India

ACHIEVEMENTS

- Winner at Project Parliament.
- Nominated for best project of the year.

HONORS & AWARDS

- Letter of Appreciation from WII (wildlife institute of india, Dehradun, Uttarakhand).
- Contributed in two research papers published in London Journals Press (global).
- Link: https://journalspress.com/pairwise-spatial-correlation-of-sars-corona-viruses

PROJECTS

Syntactical pattern based object detection.

- An research on new techniques for object detection for 2d and 3d images based on there knowledge vector based syntactical patterns.

Real Time Stock Data Analysis

- A prototype of an Application which functions with implementing the use of Markov chains to predicting stock prices.

Robotic English Tutor

- A web based robotic tutor developed using MEAN Stack .My role was developing the user interface Back-end functionality and implementing CRUD operations in the application using NodeJS and AngularJS.

Video based animal detection and tracking.

- This System is a deep learning-based tool to perform animal classification. This system identifies and classifies animal by viewing it in a video, using the keras and tensorflow library and implementing the concept of deep learning. We implemented Faster Rcnn with Resnet model.

Detection, classification and BMI calculation of hens using computer vision.

- A multi -object Detection tool to count and classify between hens and using BMI. we can also tell their health. We go for Mask-Rcnn based approach for segmentation and classification.

A cloud-based decision support system for wildlife stakeholders.

- A image analysis tool developed to identify and classify animal. It is a cloud-based tool where we use VGG-16 model to perform classification and analysis.

Logo detection using tensorflow api

- Implemented object detection Tensorflow API for detecting Starbucks logo.