Paurush Tiwari

paurush.18cse178@jssaten.ac.in | +91 995-886-2099

EDUCATION

JSS Academy of Technical Education

B.TECH IN COMPUTER SCIENCE
2018 - Present | Noida, India
Cum. GPA: 8.34

LINKS

Github: @paurush-tiwari
LinkedIn: @paurush-tiwari
Twitter: @paurush-tiwari
Portfolio: @major-beast.github.io/My-website/

COURSEWORK

UNDERGRADUATE

Data Structures
Algorithm Design and Analysis
Operating Systems
Database Management System
Object Oriented Design
Computer Organisation Architecture

SKILLS

Languages:

- C++, Python, R

Libraries:

- Numpy, Pandas, OpenCV, NLTK

Familiar:

- GAN, NLP, CNN, MySQL Django, STATA, ATLAS

ADDITIONAL

Competitive Programming
Deep Learning (GAN, CNN, RNN)

COMMUNITY WORK

I have been a member of RSSWLD since 2018. Coming from a technical background, I started teaching them computer basics and then moved on to teaching them coding.

EXPERIENCE

BEPEC | DATA ANALYST INTERN
MAR 2021 –MAY 2021

- Worked on a data of various companies to bring out a solution to grow using some technologies and various statistical packages.

Omdena | JUNIOR ML INTERN
DEC 2020 –FEB 2021

- Worked on a project called WeedBot – Detecting Weed to reduce cost and Environmental Footprints.

Daten and Wissen | ML INTERN
SEP 2020 –OCT 2020

- My work was to work on GAN algorithm so as to calculate the systolic and diastolic of a person via his video.

PROJECTS

AWSAR | SIH 2020

- A web application for the Govt. of India, intended to reduce the human efforts in storing, managing all kinds of government jobs. Built a recommender system for recommending jobs as per the skill set.
- Technologies Used: OpenCV, Apache Tika, Tabulapy, OCR, Django, Web scraping, Django.

INTELLIGENT VIDEO SURVEILLANCE

- My aim was to train an auto-encoder for abnormal event detection with normal videos, identified the abnormal events based on Euclidean distance of the custom video feed and the frames predicted by the auto-encoder. The threshold value was set at 0.0068.
- Technologies Used: OpenCV, Keras, Numpy, Imutils

OBJECT-TRACKER

- My aim was to track the movement of any particular object in various frames so that its coordinates could be tracked down. Developed this algorithm which could extract the actual data on the number plate from the multiple images captured via video.
- Technologies Used: OpenCV, Kubernetes

Deep Learning

- My aim was to first find all the faces in an image using HOG, posing and projecting faces, encoding faces, finding the person's name from the encoding and then finally predicting the person.
- Technologies Used: OpenFace, Dlib

ACCOMPLISHMENTS

- **SIH 2020** Winner 2020
- **Certified Data Scientist** – Simplilearn 2020
- **DSC LEAD** for DSC-JSS (2021-22) 2020
- **LiFT Scholar** Winner 2021
- Mentored in **GSSoC'20 and SWoC'21**