SRAJAN GOEL

Software Engineer

PROFILE

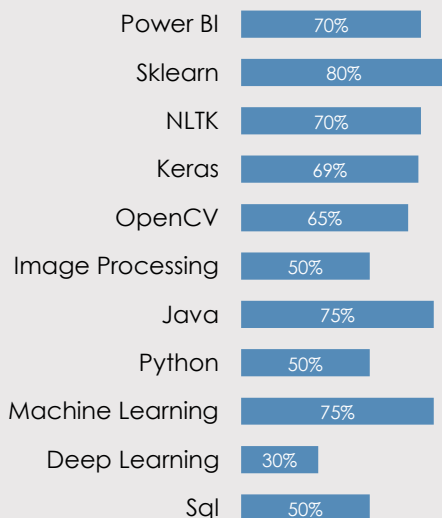|| ज्ञानम् परमम् ध्येयम् ||
Knowledge is the supreme aim

CONTACT

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HOBBIES

Painting
Yoga
Swimming

SKILLS

- Power BI — 70%
- Sklearn — 80%
- NLTK — 70%
- Keras — 69%
- OpenCV — 65%
- Image Processing — 50%
- Java — 75%
- Python — 50%
- Machine Learning — 75%
- Deep Learning — 30%
- Sql — 50%

EDUCATION

IIT Delhi [Instrument Technology]   **August 2020 – June 2022**
Masters in Instrument Technology with the overall CGPA of 9.01

Jamia Millia Islamia [Electrical Engineering]   **August 2014 – June 2018**
Bachelors in electrical engineering with the overall CGPA of 7.96

WORK EXPERIENCE

Intel [Software Engineer]   **June 2022–Present**
HSDES Data Visualization using Power BI
- Data Extraction from HSDES database using SQL queries in Power BI
- Data cleaning and data manipulation for analytical purpose
- Interactive Dashboards and report generation

GITHUB Code Duplication for CI/CD Checks
- Using NLP to check how much code is duplicated from GitHub repo
- Using GitHub actions to apply it in GitHub pipeline for CI/CD checks

GITHUB Pipeline for CI/CD Checks
- Development of GITHUB actions to monitor file above certain size
- Working on development of unit testcases in python for CI/CD checks

M.TECH THESIS

Machine Learning for concentration estimation of analytes
- Detect and estimate concentration of analytes on urine strip
- Yolo model for segmentation of region of interest
- Image Processing along with CNN architecture for classification

PROJECTS

Image Classification using Transfer Learning
- Incorporating the transfer learning on a pre trained Resnet50 model
- A validation accuracy of 97% was achieved

Detecting Covid-19 from X-Ray
- Creating CNN model which work on X-Ray images
- Training and testing the model getting the validation accuracy of 96%