


CHIRAG AGGARWAL

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PROJECTS

- **VA Tool** - A Django-based web portal that provides the flexibility to users to submit different kinds of Big-data text-mining jobs over HPC (High-Performance Computing clusters) by using the power of slurm. With some unique features like auto-email updates and more. Tools leverage the complete power of HPC Open OnDemand to support the end-user with the full power of HPC.
- **Data Viz** – Analysis of thousands of records altogether is always a challenge, especially when we don't know which kind of data we want to deal with. Data Viz solves the same problem with the Auto outlier detection & removal, data imputation and provides the best possible visualization on the basis of the data provided.
- **Fore-front target detection** – Detection of different kinds of vehicles with respect to the lane is always a crucial job for any ADAS algorithm. We are doing this with the help of YOLO V4 specially trained over automobile data in collaboration with radar info and coordinate transformation. For testing purposes, we generate the per-frame visualizations for the lane and target.
- **Data Management System (DMS)** - DMS is an easily accessible central data repository that provides a platform as a service (PaaS), backup as a service (BaaS), and recovery as a service (RaaS) to the applications managed by team.
- **Developers Guide** - A portal where we keep all the documentation and architecture tools related to different applications like automated validation tool and VA tool. Generated with the help of an auto-documentation tool – Sphinx.

WORK EXPERIENCE

- TATA Consultancy Services (July 2018 - Present):-
 - I am currently working as a System Engineer with TCS. Where we create multiple data-centric web-based solutions using best-in-class tech stacks like the very first fore-front vehicle detection using computer vision with radar info, and many more.

CERTIFICATIONS

- IBM data science professional certificate (Coursera - June 2020)
- Lean Six Sigma - Green Belt certificate (TCS - Nov 2019)
- TCS Micro degree (Dec 2017)

KEY SKILLS

- Python, Flask, Django, FastApi
- Restful API, JSON, Jinja, GraphQL
- Data Cleaning, Data Analysis
- Predictive modeling, Clustering
- Web scrapping, beautiful soap
- Databases - MySQL, MongoDB
- HTML, CSS, Bootstrap
- JavaScript, jQuery, Ajax, FetchApi
- Linux terminal
- HPC open OnDemand, GCP APP Eng.
- Docker

EDUCATION

SASTRA University:

Pursuing Masters in Computer Applications (M.C.A)
Aug 2018 – Present

D.A.V Centenary College:

Bachelor in Computer Applications (B.C.A) 70 percentile average
July 2015 – June 2018

A. B. V. K. Sr. Sec. School:

Passed 12th from H.B.S.E Board with 73% marks in non-medical stream
April 2013 – March 2015

ACCOMPLISHMENTS

- On the spot award (TCS - Jul, 2021)
- On the spot award (TCS - Dec, 2020)
- On the spot award (TCS - Mar, 2020)
- Applause award (TCS - Mar, 2020)
- On the spot award (TCS - Sep, 2019)