

HARSHIT SHUKLA

ACADEMIC PROFILE

| Degree/Certificate | | Institution | | | | Percentage/CGPA | Year |
|--------------------|--------|--|--------|-------|--------|-----------------|----------|
| B-Tech | | Electrical Engineering IIT (BHU), Varanasi | | | | 9.39 | 2022 |
| Sem I | Sem II | Sem III | Sem IV | Sem V | Sem VI | Sem VII | Sem VIII |
| 9.75 | 8.66 | 9.32 | 9.82 | - | - | - | - |
| I.S.C. (XII) | | Dr. V.S.E.C. Avadhपुरi Kanpur | | | | 97.00 | 2018 |
| I.C.S.E (X) | | Dr. V.S.E.C. Avadhपुरi Kanpur | | | | 95.80 | 2016 |

SKILLS

Skills and Interests

- **Languages:** C, C++, Python, Dart
- **Technologies:** AWS, Flutter SDK, TensorFlow, OpenCV, scikit-learn, Docker, Tableau, PostgreSQL
- **Areas of Interest:** Algorithmic Programming, Software Development, Data Science, Cloud Computing

PROJECTS

North Star - Flutter Application

May 2020 - Jun 2020

A Productivity System based Android application

- Designed and developed an all-in-one productivity app with features like habit-tracker, pomodoro timer, to-do list, calendar integration, voice and written notes, meditation routine and many other productive widgets.
- Emphasis on UI design which minimizes the friction in switching between different third-party apps and provides full customizability to align with my personal productivity goals.
- **Exposure:** UI/UX design, Android Studio, Flutter, Dart

Social Distancing Detector

May 2020

An OpenCV & Tensorflow based Computer Vision Project

- Built on top of YOLOv3 model to detect people (multi-object detection) and generate bounding boxes.
- Applied non-maximum suppression with IoU threshold to suppress weak, overlapping bounding boxes.
- Computes pairwise distance between all detected people and assesses violation based on camera-calibrated distance that maps pixels to measurable units.
- **Exposure:** Transfer Learning, Multi-Object Detection, Computer Vision techniques

YouTube Watch History Analysis

Mar 2020

A Web Scraping, EDA and Data Visualization based Project

- Web-scraped my YouTube watch history data since 2016.
- Data Cleaning and preliminary EDA using matplotlib and seaborn charts.
- Final data visualization and Inferences using Tableau
- Observed key patterns and changes in viewing-habits throughout the four years proposing crucial inferences for optimising my YouTube watch-recommendations and limits.
- **Exposure** - Web Scraping(scrapy, BeautifulSoup4, requests libraries in Python), EDA(pandas, matplotlib, seaborn etc.) , Tableau

POSITION OF RESPONSIBILITY

AWS Educate Cloud Ambassador 2020-21

Apr 2020 - Ongoing

- One of the 326 candidates selected worldwide this year for the AWS Cloud Ambassador program.
- Working closely with all AWS teams (Product,Tech,Startup) to enable and ensure easy on-boarding of students to the AWS Cloud Platform.
- **Medium Publication** - medium.com/all-about-aws

Public Relations Executive - E-Summit 2020

Feb 2020

- Managed guest excursions throughout the two-day summit.
- Worked closely with the Publicity team to attract a footfall of over 1000 in the 1st edition of E-summit.

Google AI Explore ML Academy - Support Facilitator

Jul 2019 - Feb 2020

- Organized a set of workshops during the academic year 2019-20 teaching students basic concepts in machine learning with implementations of TensorFlow.

HONOURS AND ACHIEVEMENTS

Achievements

- NSEC Top 1% Certificate of Merit 2017
- AWS Certified Cloud Practitioner
- International Maths Olympiad -International Rank 231

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