

Harsh Sanjay Agrawal

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EDUCATION

University of Mumbai (SIES Graduate School of Technology)

BE in Electronics and Telecommunication

CGPA: 7.7/10

Aug 2017 - Jul 2021

DAV Public School, Nerul

CBSE, Science (PCM,CS)

86%

Jul 2015 - Jul 2017

Don Bosco Senior Secondary School, Nerul

Matriculation

CGPA: 9.4/10

Jul 2008 - Jun 2015

PROJECTS

Covid-19Supplies

Python | Django | mySQL

Developed a python user interface where medical stores and hospitals can upload their supply counts directly from excel sheets to a mySQL database. User interface was a Django web server to display live details of the supplies and their location.

Epicentre Android

XML | Java | APIs

Epicentre is the android based Cloud Monitoring and Deployment Tool built by SIESGSTarena Team. I coded the android application for integrating firebase, mongoDB, Heroku, Github and TravisCI. Crash and deploy checks.

IEEE SIESGST Smart Village Initiative

Django | PostgreSQL | AWS

Built a web server for analytics and data sciences research coded using Python-Django. It uses AWS Buckets for databases.

Data Analytics Internship at Reliance Industries Ltd., Mumbai

Nov 2019 - Dec 2019

Worked on Attrition prediction, complaint classification, app recommender, web scraping and face recognition.

Technologies: Python | Tensorflow | Hadoop | Jupyter Lab | OpenCV | Web Scraping | K-Means

ACHIEVEMENTS

PCE Ideathon 2020 (Winner)

A platform to assess problem solving abilities as well as technical, management skills, apart from team building, report writing and presentation skills where we bagged 1st prize in the undergraduate category with the project "Covid-19Supplies".

Bytecamp Hackathon 2019 (Runner Up)

The annual hackathon organised by SIESGST in association with the ISTE SIESGST student chapter where we bagged 3rd prize out of 150+ entries from various domains on the topic "Giving Back".

Smart India Hackathon 2020 (Winner of internal hardware hackathon)

Smart India Hackathon is a national Hackathon to provide students with a platform to solve some of the pressing problems we face in our daily lives where we bagged 1st prize in the hardware edition of the internal Hackathon.

Nutanix Hybrid Cloud Scholarship and Intel® Edge AI Scholarship (Winner)

"We received applications from many talented and motivated candidates, and yours truly stood out." - Udacity

Coding Skills

Machine Learning : Python, Keras, Colab, Jupyter

Web : HTML, CSS, Bootstrap, JS, JQuery, Django, Flask

Android Studio : XML, Java, Kotlin

Analytics : PostgreSQL , MySQL, R

Embedded : C++, Java

Image Processing : Scilab, OpenCV

POSITIONS OF RESPONSIBILITY

Computer language Tutor and Electronics Expert (*Chegg.Inc*)

- Worked as a tutor for Mathematics, Computer language and Spoken language at Chegg.inc for students worldwide.
- Worked as an expert for Electronics at Chegg India, answering questions posted by students.

Developer Student Club Lead and Machine Learning Facilitator (*Google*)

- As the DSC Lead of SIESGST, working on various projects and have collaborated with the Google Developer Expert's Group in organising workshops, hackathons and building the coding culture in SIES Graduate School of Technology
- Conducted numerous workshops and online sessions to help beginners and peers start with machine learning as the Explore ML Facilitator in the previous year.

Technical Mentor (*IEEE SIESGST*)

- Joined the student branch as a technical volunteer, was promoted to technical head in the subsequent year, and finally elected as the technical mentor to lead a team of 71 students from all branches of engineering.
- Developed a website as a forefront for IEEE SIESGST, it is regularly updated with ongoing events and team updates. It is regularly updated and maintained by the tech team of the chapter.

Student Chapter Lead (*SIESGSTarena, Codechef Campus Chapter*)

- In my second year, joined as the ML Engineer, worked on a recommender system for the website, where appropriate blogs, questions and playlists were suggested to a user based on personal submission record using K-Means.
- In my final year, I led the chapter in conducting 7 Competitive Coding contests. Problem setting, testing, test case generation and on day maintenance. I have also worked on graphic designing during my time as the operations manager.

Core Team member and Website Manager (*TEDxSIESGST*)

- Organising a TEDx event, starting from choosing the topics and theme of discussion, applying for a license to successfully organising TEDxSIESGST 2020 which accumulated over 5000 views on YouTube.
- Curation, operations handling and website management, including coding a new web server from scratch and deploying it.

CERTIFICATIONS

- **Tensorflow Developer Professional Certificate Program** (Deeplearning.ai)
 - o 3 Independent Specializations consisting of 13 month long courses, learned the concept of Neural Networks, structuring Machine Learning projects, sequence models, Natural Language Processing, Time series prediction and advanced deployment scenarios including device based deployment.
- **Deep Learning: Face Recognition and OpenCV for Python Developers** (LinkedIn Learning)
 - o Used a machine learning model can be trained to analyze images and identify facial landmarks. Learned the steps involved in coding facial feature detection, representing a face as a set of measurements, and encoding faces.
 - o Leveraging the image-processing power of OpenCV using methods like template matching and machine learning data to identify and recognize features.

EXTRACURRICULAR

- **Merit in Guitar Rock and Pop Grade 1 and Grade 3 Theory of music Grade 1** (Trinity College London)
- **Winner of Scribblings Story Writing Competition** (Literary club SIESGST)
- **Winner of Technical Poster Presentation competition** (IEEE MGM CET)

PROFILE LINKS

- [LinkedIn.com/in/harsh-sanjay-agrawal](https://www.linkedin.com/in/harsh-sanjay-agrawal)
- [Github.com/harshagr18](https://github.com/harshagr18)
- [YouTube.com/c/harshsanjayagrawal](https://www.youtube.com/c/harshsanjayagrawal)
- [Twitter.com/harshagr1802](https://twitter.com/harshagr1802)