Harsh Sanjay Agrawal

♦ harshagr18.github.io ♦ harshagrawal1802@gmail.com ♦ 8850579478

EDUCATION

Mumbai University (SIES Graduate School of Technology)   **SGPA: 7.4**

BE in Electronics and Telecommunication   *Aug 2017 - Jul 2021*

DAV Public School, Nerul
86%

Science   *Jul 2015 - Jul 2017*

Don Bosco Senior Secondary School, Nerul   **CGPA: 9.4**

Matriculation   *Jul 2008 – Jun 2015*

INDUSTRY EXPERIENCE

Data Analytics Intern @ 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

Blockchain Intern @ SIES Graduate School of Technology   *June 2020 – July 2020*

Developed an application that shows all transactions of an organisation using ethereum blockchain to ensure transparency.
Technologies: Solidity-Web3 | Metamask | Node.js | Ganache

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 the mySQL database. User interface was a **Django web server** for users to display **live details** of the same.

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 | PHP*

This is a **web development** project aimed at aiding **analytics and data sciences research**. I coded this using **Python-Django** and integrated analytics tools, to receive and visualise our hardware output from the village site.

ACHIEVEMENTS

Bytecamp Hackathon 2019 *(Runner Up)*

Bytecamp is the annual hackathon organised by SIESGST in association with the IETE 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.

PCE Ideathon 2020 *(Winner)*

Ideathon is a platform to assess problem solving abilities as well as technical, management skills, apart from team building, report writing and presentation skills where we ranked **1st prize** in the undergraduate category.

CODING SKILLS

- **Android Studio :** XML, Java, Kotlin
- **Embedded :** C++, Java
- **Machine Learning :** Python, R, Tensorflow, Colab, Jupyter
- **Web :** HTML, CSS, Bootstrap, JS, JQuery, Django

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.

Machine Learning Facilitator **(***Google Explore ML***)**
- Conducted numerous **workshops** and **online sessions** to help beginners and peers start with machine learning. Making them self sufficient, where they can start learning coding on their own.
- Teamed up with the **student council** of SIESGST to increase reach to every interested student possible.

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** for the student body in the final year of my BTech.
- Developed a **website** as a forefront for IEEE SIESGST, it is regularly updated with ongoing events and team updates. It is maintained by the **tech team** of the chapter.

Student Chapter Lead *(SIESGSTarena, Codechef Campus Chapter)*
- 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**.
- Led the chapter in conducting many online and offline competitive coding contests. Problem setting, testing, test case generation and making sure the contest runs smoothly. I worked with graphics during my time as 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.
- Curation, operations handling and website management, including **coding a new website** from scratch and **deploying it**. Making sure all the TEDx rules and regulations are followed and ensure smooth function of the event.

HOBBIES

- Instrumental Music, mainly Guitar and Drums
- Public Speaking and Competitive Coding
- Animation and Editing

LINKS

- **LinkedIn**.com/in/harsh-sanjay-agrawal
- **Github**.com/harshagr18
- **Twitter**.com/harshagr1802
- **YouTube**.com/channel/UCMq2gZt7mDj4n044H-eJ4hA