

# Harsh Sanjay Agrawal

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## EDUCATION

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**Mumbai University (SIES Graduate School of Technology)**

*BE in Electronics and Telecommunication*

**SGPA: 7.4**

*Aug 2017 - Jul 2021*

**DAV Public School, Nerul**

*Science*

**86%**

*Jul 2015 - Jul 2017*

**Don Bosco Senior Secondary School, Nerul**

*Matriculation*

**CGPA: 9.4**

*Jul 2008 – Jun 2015*

## INDUSTRY EXPERIENCE

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**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

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**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 **full stack web server** for **analytics and data sciences research** coded this using **Python-Django**.

## ACHIEVEMENTS

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**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 **1<sup>st</sup> prize** in the undergraduate category.

**Bytecamp Hackathon 2019 (Runner Up)**

**Bytecamp** is the annual hackathon organised by SIESGST in association with the IETE SIESGST student chapter where we bagged **3<sup>rd</sup> 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 **1<sup>st</sup> prize** in the **hardware edition** of the internal Hackathon.

## CODING SKILLS

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

## POSITIONS OF RESPONSIBILITY

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### 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.

### 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

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

## LINKS

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- [LinkedIn.com/in/harsh-sanjay-agrawal](https://www.linkedin.com/in/harsh-sanjay-agrawal)
- [Github.com/harshagr18](https://github.com/harshagr18)
- [Twitter.com/harshagr1802](https://twitter.com/harshagr1802)
- [YouTube.com/channel/UCMq2gZt7mDj4n044H-eJ4hA](https://www.youtube.com/channel/UCMq2gZt7mDj4n044H-eJ4hA)