

Harsh Sanjay Agrawal

+1 (551) 655-6136 | hagrawa1@stevens.edu | harshagr18.github.io
linkedin.com/in/harsh-sanjay-agrawal | Hoboken, NJ

EDUCATION

Stevens Institute of Technology

May 2023

Masters in Computer Science

University of Mumbai

Aug 2017 - Jul 2021

BE in Electronics and Telecommunication

CGPA: 8.25/10

SKILLS

Machine Learning : Python, R, TensorFlow, Jupyter, Matlab, OpenCV

Embedded : C++, Java

Cloud : Amazon Web Services, Google Cloud Platform

Web Dev: MERN stack, JQuery, Django, Flask

Database : MongoDB, MySQL, PostgreSQL, Hadoop

Android/Mobile: XML, Java, Kotlin, Android Studio

WORK EXPERIENCE

Data Analytics Internship at Reliance Industries Ltd. Mumbai

Nov 2019 – Dec 2019

- Progressed the attrition prediction and app recommender system to solve problems faced by Jio Telecom
- Developed a system to classify millions of user complaints into concise and well-illustrated reports using sentiment analysis

ACADEMIC PROJECTS

Disease Assistant - Deep Learning

Jul 2020 – May 2021

- Designed computer vision model to ensure hygiene and NLP chatbot suggesting course of action in high risk of infection
- Engineered a full stack web server enabling users to book available medical appointments based on location
- On deployment, projected to save 20 man hours a day spent creating appointments

Covid-19Supplies - AWS | Django | MySQL

Mar 2020 – Sep 2020

- Built a web server for medical outlets and hospital to upload supplies and services, accessed in real time with location by users to ensure maximum efficiency
- On deployment, calls to medical stores are expected to decrease by 50%

Web Based Autonomous Irrigation System - Embedded System | Computer Vision

Jan 2020 - Mar 2020

- Implemented IOT based system to irrigate farms autonomously depending on type of crop and environmental factors
- Trained computer vision system to ensure no harm is caused by pests or plant diseases detected
- Formulated web server to warn users about harmful calamities in advance based on location and weather conditions

ACHIEVEMENTS

- PCE Ideathon 2020** (national project competition) - Awarded 1st prize with web app project "Covid-19Supplies"
- Smart India Hackathon 2020** - Winner internal hardware hackathon with "Web Based Autonomous Irrigation System"
- Bytecamp Hackathon 2019** - Attained 2nd runner up position with IOT project "Gesture recorder"

LEADERSHIP

DSC Lead & Machine Learning facilitator

(Google Developer Experts)

- Administered various projects with the Google Developer Expert's Group for Google Solution Challenge 2020
- Arranged workshops, hackathons and coding sessions to help 200+ students with Google Technology and Machine learning

Technical Mentor

(IEEE SIESGST)

- Initiated a website for IEEE SIES GST and web server for IEEE Smart Village initiative used for data analytics
- Ranked first among college participant teams and campus ambassador for IEEEExtreme coding competition

Student Chapter Lead

(SIESGSTarena, Codechef Campus Chapter)

- Spearheaded problem setting and organization of 25+ competitive coding contest
- Built a recommender system for personalized blogs and playlist suggestions to help 150+ students with competitive coding

Computer language Tutor and Electronics Expert

(Chegg.Inc)

- Trained 200+ students over a span of a year as a tutor for Mathematics, Computer language and English language
- Answered 100+ electronics questions as an undergraduate technical expert

Core Team member & Website Manager

(TEDxSIESGST)

- Conducted a TEDx event, starting from topics and themes of discussion to getting a license and on day management
- Curating talks and managing website for TEDxSIESGST 2020 accumulating almost 7000 views on YouTube

CERTIFICATIONS

- Big Data Hadoop and Spark with Scala (Udemy)
- Tensorflow Developer Professional Certificate Program (Deeplearning.ai)
- Deep Learning: Face Recognition & OpenCV for Python Developers (LinkedIn Learning)