Harshit Agrawal

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EDUCATION

NIT, TRICHY - B.TECH
Major in Computer Science
Minor in Economics
Expected May 2022 | Trichy, India
Cum. GPA: 9.55/10.00

K D AMBANI VIDYAMANDIR
Grad. May 2018| Jamnagar, India
Class 12 : 94.8 %
Class 10 : 10 CGPA

LINKS

GitHub: @HarshitCodex
LinkedIn: @HarshitAgrawal
Codechef: @codexharsh
Codeforces: @codexharsh
Hackerrank: @HELICpros
Medium: @HarshitAgrawal

COURSEWORK

UNDERGRADUATE
Deep Learning
Cryptography
Machine Learning
Algorithms & Data Structures
Operating Systems
Computer Networks
Android AppDev
Theory of Computation
Database Management Systems
Probability & Graph Theory

CERTIFICATIONS | ONLINE
Machine Learning
Deep Learning Specialization
WebDev(Ongoing)
Python(Ongoing)

SKILLS

Programming Languages
•C •C++ •Java •Javascript •Python

Familiar Tools & Tech
•Android Dev •Web Dev •ML
•Scraping •Matlab •Keras •Pytorch
•Scikit •Git •Scripts •React

Languages
• English • Hindi

Co Curricular
•NIT Trichy Basketball Team 2018-19
•Jamnagar Basketball Team 2016-17
•District Cricket Team 2016-17
•CBSE Heritage Quiz 2016

EXPERIENCE

MICROSOFT INDIA (R&D) | SWE Internship
June 2021 - July 2021 | Noida, India
- Worked with special clouds team to create an automated interface for identifying and assigning builds to deployment rings by following certain policy framework using C#, REST APIs and .NET Core.
- Ideated another project to download deployment builds.
- Worked on Azure cloud ecosystem using PowerShell and Azure CLI for containerised systems with an overview of docker and Kubernetes.

SPIDER R&D CLUB | HEAD - Algorithms
August 2019 - Present | NIT Trichy, India
- Heading a team of competitive programming enthusiasts
- Conducted Algotrix algorithms workshop for over 120 college students
- Headed and worked as problem setter for various Coding Contests
- Worked on Enhanced Night Vision prototype using Deep Learning
- Represented the club at many hackathons with a dynamic team of students

VORTEX CSE TECHNICAL FEST | Event Manager
September 2019 - Present | NIT Trichy, India
- Part of versatile team of managers and computer science enthusiasts
- Ideated and organised various coding based events round the year for Vortex Technical Fest, including online events from home
- Judged and worked as a problem setter for Talkathon,Triathalon,ML and Coding Events

PROJECTS

DARKSIGHT | Github : DarkSight | Sangam Project
December 2019 – March 2021
- Worked on improving night-vision cameras
- Used Histogram Equalization and U-Net Deep Learning framework
- Worked with python libraries and automated few processes

TAKEASTAND.ORG | Github : TakeAStand| Social Media Website
January 2021 – January 2021
- Created a mini social media website to host and join protests using MEN Stack
- Added Maps API for instant location service

STOCK ANALYSIS | Github : ARIMA-NLP | Stock Sentiment
September 2020 – November 2020
- Worked on ARIMA model to map Google S&P500 stock price
- Scraped stock related news using web scraping techniques in python
- Used NLP techniques with VADER lexicon to generate sentiment score of stock

SAFE LANES | Github : Safe Lanes | Pragyan Hackathon '19
December 2019 - December 2019
- Identified safest route between two points by ML algorithm
- Generated Crime score of each street through Crime dataset
- Used Random Forest Classifier as ensembling algorithm to predict crime

ACHIEVEMENTS

Year		
2021	Winner	Sangam Hackathon (Defence Tech.)
2021	Rank 1 (CSE)	S.J. Chainulu Endorsement Award for Excellence
2020	Selected	SRFP Fellowship(IIT-M Computer Vision)
2020	Top 10%	Hackverse(NITK) Hackathon
2019	2nd Prize	Pragyan Hackathon 2019
2018	AIR 1024	KVPY Fellow (Issued by IISc Bangalore)