Maanas Talwar

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EDUCATION

Bachelor of Technology in Computer Science and Engineering	CGPA: 8.97 / 10.0	AUG 2019 - PRESENT
Netaji Subhas University of Technology, Delhi		GRADUATING JUNE 2023
Formerly Netaji Subhas Institute of Technology, Delhi		8th Semester
• Ranked among the top 3%.		
All-India Senior School Certificate Examination (CBSE), Class XII	PCT: 95.4%	APR 2019
Amity International School, Mayur Vihar, New Delhi		
All-India Secondary School Examination(CBSE), Class X	CGPA: 10.0 / 10.0	APR 2017
Amity International School, Mayur Vihar, New Delhi		

EXPERIENCE

Software Engineer Intern — MAY 2022 - JUL 2022

Microsoft, Hyderabad, India
- Formulated a scalable and reliable solution for migrating a distributed cloud infrastructure service from virtual machine to container based hosting.
- Designed an automated CI/CD workflow to gracefully update the service and incorporated it into the existing practice.
- Integrated supporting services to improve the efficiency and expand the set of features offered by the primary service.

Student Developer — MAY 2021 - AUG 2021

Google Summer of Code 2021 with SCoRe Lab
Project: Scan8
- Developed a distributed scanning system for detecting malicious threats embedded in files.
- Formulated a test suite to help maintain the application in a CI/CD pipeline.

Data Science Intern — MAY 2020 - AUG 2020

Open Technology Group, National Informatics Centre, Chennai, India
Project: Metadata Management for Open Source Software
- Developed a python project to automatically identify and download latest releases of installed tools.

PROJECTS

Parking Space Detector — JAN 2022 - MAY 2022

  Computer vision powered parking space detector to locate the free spaces in a parking lot in real time utilising a surveillance feed.

NSUTx — OCT 2020 - MAR 2021

  University's cross-platform application to provide content accessibility and analytics to students.

PUBLICATIONS

De-Fence: LoRa Based Hop-To-Hop Communication	International Conference on Contemporary Computing
Anav Chaudhary, **Maanas Talwar**, Avil Goel, Gaurav Singal, Riti Kushwaha	2022

ACHIEVEMENTS AND AWARDS

First runner up	The Big Tech Project International Hackathon organised by DP World	OCT 2022
HackMIT 2022 invite	Invited to attend HackMIT 2022 in person among 1000 international students	OCT 2022
Hack Harvard 2022 invite	Invited to attend Hack Harvard 2022 in person among various international students	OCT 2022
State Topper	National Level Science Talent Search Examination 2019	2019
Gold Medalist	Seventh Amity International Olympiad for Mathematics	2018

POSITIONS OF RESPONSIBILITY

Mentor	FOSS Overflow Open Source Program, IIT Bhilai	DEC 2022 - FEB 2023
Mentor	Google Summer of Code 2022 with SCoRe Lab	MAY 2022 - SEPT 2022
App Development Head	International Organisation of Software Developers, NSUT	MAY 2021 - MAY 2022
Director, Content	Crosslinks: The Student and Public Relations society of NSUT	MAY 2021 - MAY 2022

SKILLS

Programming Languages:	Python · C++ · C · Bash · Dart · MATLAB · Javascript · Kotlin
Frameworks and Tools:	Microsoft Azure · Docker · Kubernetes · Linux · OpenCV · OpenGL · Git · Flask · Arduino · ClamAV · Flutter · Firebase · Bootstrap · Node.js · LaTeX

RELEVANT COURSEWORK

Algorithm Design	Cloud Computing	Cryptography Techniques	Theory of Computation
Machine Learning	Computer Vision	Compiler Construction	Natural Language Processing
Operating Systems	Discrete Mathematics	Probability & Statistics	High Performance Computing