

# Maanas Talwar

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## EDUCATION

<b>Netaji Subhas University of Technology</b> , Delhi Formerly Netaji Subhas Institute of Technology, Delhi <i>Bachelor of Technology in Computer Science and Engineering</i> • Ranked among the top 3%.	CGPA: 8.97 / 10.0	AUG 2019 - PRESENT 7 <sup>th</sup> Semester
<b>Amity International School, Mayur Vihar</b> , New Delhi <i>All-India Senior School Certificate Examination (CBSE), Class XII</i> <i>All-India Secondary School Examination (CBSE), Class X</i>	PCT: 95.4% CGPA: 10.0 / 10.0	APR 2019 APR 2017

## EXPERIENCE

<b>Software Engineer Intern</b> <b>Microsoft, Hyderabad, India</b> • 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.	MAY 2022 - JUL 2022
<b>Student Developer</b> <b>Google Summer of Code 2021 with SCoRe Lab</b> Project: <a href="#">Scan8</a> • 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.	MAY 2021 - AUG 2021
<b>Data Science Intern</b> <b>Open Technology Group, National Informatics Centre, Chennai, India</b> Project: <a href="#">Metadata Management for Open Source Software</a> • Developed a python project to automatically identify latest releases of locally installed tools and download them.	MAY 2020 - AUG 2020

## PROJECTS

<b>Parking Space Detector</b> Computer vision powered parking space detector to locate the free spaces in a parking lot in real time utilising a surveillance feed.	JAN 2022 - MAY 2022
<b>NSUTx</b> University's cross-platform mobile application which provides content accessibility and analytics to a student.	OCT 2020 - MAR 2021

## PUBLICATIONS

<b>De-Fence: LoRa Based Hop-To-Hop Communication</b> Anav Chaudhary, <b>Maanas Talwar</b> , Avil Goel, Gaurav Singal, Riti Kushwaha	<a href="#">International Conference on Contemporary Computing</a> 2022
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## 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	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