

Maanas Talwar

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EDUCATION

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

EXPERIENCE

Software Engineer Intern 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.	MAY 2022 - JUL 2022
Student Developer 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.	MAY 2021 - AUG 2021
Data Science Intern 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.	MAY 2020 - AUG 2020

PROJECTS

Parking Space Detector 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
NSUTx University's cross-platform application to provide content accessibility and analytics to students.	OCT 2020 - MAR 2021

PUBLICATIONS

De-Fence: LoRa Based Hop-To-Hop Communication Anav Chaudhary, Maanas Talwar , Avil Goel, Gaurav Singal, Riti Kushwaha	International Conference on Contemporary Computing 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	FOSS Overflow, IIT Bhilai	DECEMBER 2022 - PRESENT
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