Maanas Talwar

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EDUCATION

Netaji Subhas University of Technology, Delhi   CGPA: 8.97 / 10.0   AUG 2019 - PRESENT
Formerly Netaji Subhas Institute of Technology, Delhi   7th Semester
Bachelor of Technology in Computer Science and Engineering
• Ranked among the top 3%.

Amity International School, Mayur Vihar, New Delhi
All-India Senior School Certificate Examination (CBSE), Class XII   PCT: 95.4%   APR 2019
All-India Secondary School Examination(CBSE), Class X   CGPA: 10.0 / 10.0   APR 2017

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 latest releases of locally installed
  tools and download them.

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

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

POSITIONS OF RESPONSIBILITY

Mentor	Google Summer of Code 2022 with SCoRe Lab	MAY 2022 - PRESENT
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

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

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 mobile application which provides content accessibility and
analytics to a student.