

Maanas Talwar

EMAIL: maanastalwar1@gmail.com

WEBSITE: maanas-talwar.github.io

EXPERIENCE

MICROSOFT

Software Engineer, Azure Networking

JUNE 2023 - PRESENT

- Improved feature integration by introducing a plugin-based microservice capable of supporting 15M calls a day.
- Developed robust safety mechanisms to dynamically block specific workflows during emergencies.
- Proposed a sophisticated architectural design to enhance system availability and reliability with minimal manual intervention.
- Strengthened platform security by implementing advanced features and leading comprehensive threat model reviews.
- Facilitated efficient issue resolution by developing hotfix workflows for faster bug patching.
- Automated redundant processes thereby significantly reducing manual effort.
- Represented the team in leadership discussions and collaborated with stakeholders.

Software Engineer Intern, Azure Networking

MAY 2022 - JUL 2022

- Designed a scalable and reliable solution for migrating a distributed Azure cloud infrastructure service to an automatically managed containerized workflow.
- Implemented an automated CI/CD workflow for its graceful updates.

GOOGLE SUMMER OF CODE

Student Developer, SCoRe Lab open-source organization

JUN 2021 - AUG 2021

- Developed a distributed scanning system for detecting malicious files leveraging open-source tools.

SKILLS

Programming Languages:

Python C++ Bash C# C Dart MATLAB Javascript Kotlin

Frameworks and Tools:

Microsoft Azure Kubernetes Docker Linux Git OpenCV OpenGL Flask
Arduino Flutter Firebase Bootstrap L^AT_EX

EDUCATION

NETAJI SUBHAS UNIVERSITY OF TECHNOLOGY

Bachelor of Technology in Computer Science and Engineering
Ranked among the top 3%

CGPA: 9.0 / 10.0

Delhi, India
AUG 2019 - MAY 2023

AMITY INTERNATIONAL SCHOOL, MAYUR VIHAR

All-India Senior School Certificate Examination (CBSE), Class XII

PCT: 95.4%

Delhi, India
APR 2019

RELEVANT COURSEWORK

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

AWARDS AND RECOGNITION

Scholarship recipient	Two-time University academic scholarship recipient for top 5% students	2019 - 2023
First Runner up	The Big Tech Project International Metaverse Hackathon organised by DP World	OCT 2022
HackMIT 2022	Invited to attend HackMIT 2022 in person among 1000 selected international students	OCT 2022
Hack Harvard 2022	Invited to attend Hack Harvard 2022 in person among selected international candidates	OCT 2022
SIH'22 Finalist	Smart India Hackathon 2022 finalist from teams all over the country	JUN 2022

SELECTED PROJECTS

Natural vs AI-image detector

JAN 2023 - MAY 2023

Neural network powered Natural and AI-generated images state-of-the-art differentiator pipeline.

NSUTx - 5000+ downloads

OCT 2020 - MAR 2021

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

VOLUNTEER EXPERIENCE

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