

MADHURI ANNAVAZZALA

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OBJECTIVE

Research Assistant at IITH, seeking opportunities to solve real life problems to improve the standards of living.

EDUCATION

Master of Computer Science, Indian Institute of Technology, Hyderabad Expected 2024
Relevant Coursework: Wireless Networks, Network Security, Quantum Cryptography CGPA: 9.0

Bachelor of Technology in Computer Science, Malla Reddy Engineering College for Women 2015 - 2019
Percentage: 80.9

SKILLS

Programming Languages: C++, Python, COBOL(Mainframes-V+ Architecture)
Technical Skills: OpenSSL, Android, Unity for AR

EXPERIENCE

Research Assistant Jan 2021 - Present
NeWS Lab, Indian Institute of Technology *Hyderabad*

- Created a Logging framework in 5G Testbed Project.
- Working on providing GUI for 5G Testbed deployment.

Software Engineer July 2019 - Jan 2020
HSBC Software Development *Hyderabad*

- Worked on a project that provided customers in Sri Lanka with the Real-time update in their OTB.
- Developed a web application that provided all the employees with all-in-one DevOps tool that automated existing tasks.

PROJECTS

Security Chat App. Worked on replication of Active and Passive attacks in networks using Socket Programming in Python.

PNS Attack Simulation. Worked on simulating Photon Number Splitting Attack using SimulaQron(a simulator based on Python).

KARMA-"What goes around comes around". Built a web-based application that helps in keeping the railways clean by awarding the users with digital vouchers.

DHRISTHI-"An eye for the blind". A project proposal that allows identification of objects using real-time camera.

PUBLICATION

Short-cuts on Quantum Network Simulators, ANTS 2021 In this paper, we showed how to create virtual edges(shortcuts) on an existing discrete event simulator for quantum networks called SeQUeNCe, and study the impact that these edges have on latency.

AWARDS AND ACHIEVEMENTS

- Was awarded "Young Engineer's Award" for academic excellence, innovative projects and overall performance.
- Was awarded Rashtrapathi Award in Scouts and Guides by the former President of the country Dr.Pranab Mukherjee.

LEADERSHIP

- Led a team of Grads at work, that won "Code Fury"- A hackathon amongst around 500 grads.
- Was elected the CSI President at college who was responsible for overlooking the fests and encouraging student participation in the technical events.
- Served as the School Captain