



RADHESH SARMA

Course : **M.Sc. (Hons.)**, Mathematics and **B.E. (Hons.)**, Computer Science, 2022

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CGPA : 7.86



SUMMER INTERNSHIP / WORK EXPERIENCE

Software Engineer Intern, Amazon India

Jan 2022 - Present

- Working with Kindle Digital Experiences Team designing and developing next-generation tools and services which fast, easy and low-cost for creating great looking Kindle books

Software Engineer Intern, Microsoft India

May 2021 - Jul 2021

- Built an **end to end solution** to Redirect video uploads from Classic Stream to Onedrive / Sharepoint on Microsoft Stream web app
- Worked full-stack from web app in Angular to Backend in C#

Mentee, Microsoft Engage 2020

Jun 2020 - Jul 2020

- Developed a web application game using various **path-finding algorithms** like A*, Dijkstra, Best first search and their bi-directional forms to make the AI rover navigate the mars in the shortest path.
- Github - [Radhesh-Sarma/Pathfinding-Visualizer](#)

IT intern, Indian Red Cross Society

May 2019 - Jul 2019

- Developed a **mass communication app** for desktop PCs , that could send emails, SMS texts to a bulk of staff, student trainees or volunteers.
- Implemented a wrapper for gmail API using python
- Github - [Radhesh-Sarma/Mass-emailer](#)

AWARDS AND RECOGNITIONS

Uber Hacktag National Winner | Uber

Mar 2021

- National Winner** of Uber Hacktag Hackathon, 2021 among 25000+ teams.
- Designed and developed a **full-stack application with microservices architecture** to ease last-mile package delivery for e-commerce
- Tech Stack: Android App and Web app with JAVA microservices for backend with SQL database
- Github: [Radhesh-Sarma/Last-Mile-Delivery](#)

PROJECTS

BITS Online Judge - Web Development

Feb 2021 - Present

- Designed and developed an automated system that allows instructors to create programming assignments, and students to solve them online, with **automated checking and evaluation**
- Tech stack: Single Page Application with React JS frontend and nodejs backend
- Github - [Radhesh-Sarma/online-judge-webapp](#)

Multipath-TCP File Transfer - Network Programming

Feb 2021 - Present

- Implemented a file transfer application using MPTCP (Multipath-TCP) protocol to compare performance with TCP.
- Unlike TCP, MPTCP can transfer data using more than one network interface over a single connection.
- Compared MPTCP against TCP for various emulated network conditions
- Designed and tested MPTCP schedulers for optimizing the use of available networks to achieve best network throughput.

Subjects / Electives

Data Structures and Algorithms, Object Oriented Programming, Database Systems, Operating Systems, Software Engineering, Computer Networks, Cryptography

Technical Proficiency

HTML + CSS, JavaScript, React.js, Redux, Python, Web Hosting, Angular, Node.js, Express.js

COMPETITIONS

ACM ICPC

May, 2020

Asia Amritapuri First Round Online Contest : **Ranked 1040 with Honourable Mention**

CodeChef Contests

Apr, 2020

- April Challenge 2020 - Ranked **209th globally** out of 23k participants
- July Lunchtime 2020 - Ranked **216th globally** out of 8k participants