

MANAS RANJAN

COMPUTER SCIENCE STUDENT



+918651233151



[Manas Ranjan](#)



manasranjan9852@gmail.com



[Portfolio](#)



[Manasranjan1](#)

ABOUT ME

I'm Manas Ranjan, a highly motivated computer science student with a strong interest in **Networked Robotics and Systems for AI/ML**. My coursework in network protocols and distributed systems, combined with personal projects has provided me with a solid foundation in these areas. I am proficient in **C++** and **Python**, and I've used these languages to develop efficient algorithms for various projects, e.g. Port scanner and LAN scanner. I'm eager to contribute to the SURE 2025 program by applying my technical skills and research aptitude to challenging problems in these fields.

EDUCATION

2023 - Present

Jaipur, Rajasthan

B.tech in Computer Science and Engineering,

JAIPUR NATIONAL UNIVERSITY

CGPA - 8.08 / 10

2021 - 2023

Jaipur, Rajasthan

Intermediate Annual Examination, BSEB

R.S.S. SCIENCE COLLEGE, SITAMARHI

GRADE - 74.8 %

SKILLS

- C/C++
- Python
- JavaScript
- Computer Networks
- Communication
- Problem Solving
- Innovation
- Collaboration

EXPERIENCE

Jun - Aug 2024

IBM (CSRBOX)

Data Analyst Intern

I Participated in IBM SkillsBuild program held from (June 2024 - August 2024) and went through there learning activities. Also acted as a Team Leader and lead the team throughout the internship program and created a project on Data Analysis and Visualization. Skills used (Python, MySql, Tableau, MS Excel).

PROJECTS

PORT SCANNER

Features

- Multi-threaded scanning for improved performance
- Support for scanning multiple targets simultaneously
- Service identification for open ports
- IP address validation
- User-friendly colored output
- Configurable port range scanning
- Timeout handling and error management

NETWORK SCANNER

Features

- Scans local network for active devices
- Displays IP and MAC addresses of discovered devices
- Exports results to CSV file
- Includes timestamp for each discovered device
- Configurable scan timeout and IP range
- Command-line interface for easy usage

Ping and Traceroute Analyzer

Features

- Ping multiple hosts with configurable ping count
- Perform traceroute analysis
- Cross-platform support (Windows, Linux, Mac)
- Detailed logging with timestamps
- JSON output for each analysis
- Error handling and reporting

LANGUAGE

• ENGLISH

• HINDI

REFERENCES

Mahesh Bhairi (Assistant Professor @JNU)

Phone: +917021010703

Social: [linkedin.com/in/mahesh-bhairi-30079521a](https://www.linkedin.com/in/mahesh-bhairi-30079521a)

Yogesh Chaudhary Senior Network Engineer

Phone: +919971373638

Social: [linkedin.com/in/yogesh-kumar-9b9408121](https://www.linkedin.com/in/yogesh-kumar-9b9408121)