

Roshan Ali Shaik

R&D Engineer | Cyber Security Enthusiast | Web Developer
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Social Links

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Education

R.V.R & J.C College of Engg.
B.Tech Computer Science and Engg.
2021-25 | Guntur, India.
Cum. GPA: 9.2/10
Jupiter Junior College
Class XII
May 2021 | Guntur, India.
96.7%
Loyola Public School
Class X
April 2019 | Guntur, India.
85%

Skills

Cyber Security

- Manual Web VAPT
- Network VAPT
- Compliance

Web Development

- React JS
- TailwindCSS
- MongoDB
- MySQL
- Node JS

Programming

- Python
- C++
- Java

Soft Skills

- Leadership
- Problem Solving
- Decision Making

Tools

- Linux
- NMAP
- Metasploit
- BurpSuite
- Git, GitHub
- Docker
- Vercel
- Numpy, Pandas

Certifications

- Google Cyber Security Professional
- Computer Networks, NPTEL
- Programming, Data Structures & Algorithms using Python, NPTEL
- Programming in Java, NPTEL
- Problem Solving Through Programming in C, NPTEL

About

- Cyber Security Enthusiast and Web Developer pursuing B.Tech in CS.
- Proficient in Python, C++, Java, and web development frameworks, with hands-on experience in penetration testing and network security.
- Seeking opportunities that allow me to maximize the impact of my skills.

Experience

R&D Engineer | Tejas Networks

August 2025 - Current | Bangalore, India.

- Developing 5G-NSA-RAC software in C/C++ upon proprietary Linux RTOS.
- Implemented carrier aggregation functionality from OAM.

R&D Software Intern | Tejas Networks

March 2025 - July 2025 | Bangalore, India.

- Worked on 4G-RAC software in C/C++ upon proprietary Linux RTOS.
- Implemented code for Latency, PDCP-Throughput and UE(mobile) Handover stats of 4G-cells based on 4G protocol.

Red Team Intern | Cyber Sapiens

Jan 2023 - Jul 2023 | Guntur, India.

- Prepared extensive research on emerging web security threats and vulnerabilities to stay up-to-date with the latest trends.
- Conducted comprehensive penetration testing on web applications, successfully identifying and mitigating critical vulnerabilities including SQL injection, XSS, CSRF and more.
- Prepared comprehensive reports detailing vulnerabilities, their potential impact, and recommended mitigation measures.

Projects

Torta-Forta

- Customers design cakes by selecting different options with AI-generated 2D previews to visualize their creations before ordering.
- The platform connects users with skilled local bakers for 1-day delivery and features a unique refund-through-donation model.

Simulated CyberSecurity Attack Environment 🛡️

- This project simulates a malicious HTTP server behind a legitimate-looking NGINX reverse proxy.
- Demonstrates real-world cyber attack techniques and their impact on end-users.

Quick Chat 🗨️

- QuickChat is a messaging application, built with React JS and Vite, uses Firebase for backend services.
- It features proper user authentication, and user chats management.

CPU Scheduling Algorithms 🔄

- This project implements and demonstrates various process scheduling algorithms used by operating systems, including FCFS, RR, SPN, SRT, HRRN, Feedback Queue, and Aging.

Positions of Responsibility

- Serving as the *Chair of ACM Student Chapter* of our institute.

Achievements

- Awarded **Intern of the Month** at *CyberSapiens*, during my internship for the month of February 2023.
- Achieved rank *3461* in **TCS Code Vita 2023**.
- Awarded **NPTEL Discipline Star** under Computer Science discipline.

Activities

- Participated in 48 hours hackathon at Sri Manakula Vinayagar Engineering College building a live online market for home bakers.
- Finalists of **Udvikash** 24 hours Hackathon, organized by Institute Innovation Cell of R.V.R & J.C COLLEGE OF ENGINEERING.