

Rakshith V P

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<https://shorturl.at/xQbG9>

Career Objective

A passionate engineering student with strong interest in software development, problem-solving, and continuous learning. Seeking opportunities to grow in a professional environment.

Education

BE	JSS ACADEMY OF TECHNICAL EDUCATION , Information Science and Engineering <ul style="list-style-type: none">Current GPA: 7.5/10.0Coursework: Discrete Mathematics, Analysis and Design of Algorithm, Machine Learning, Computer Networks, Data Structures, Artificial Intelligence.	2023 – 2026
DIPLOMA	DRR Govt Polytechnic , Computer Science and Engineering <ul style="list-style-type: none">GPA: 8.5/10.0	2020– 2024
High School	Jain Vidyalaya Davangere <ul style="list-style-type: none">PERCENTAGE: 80%	2020

Skills

Languages: C, Java, Python, Flask-Framework, SQL, JavaScript, HTML

Technologies: Flask, Django, SQLite, Git, VS Code, IntelliJ IDEA

PROJECTS

Writing A Rootkit In C to Understand Operating System Security

- Developed a basic rootkit in C to gain a deeper understanding of operating system internals, kernel-level programming, and common attack vectors. Explored techniques such as process hiding, file concealment, and syscall hooking, while analyzing system vulnerabilities and implementing countermeasures. Focused on ethical and educational use to enhance security awareness and defensive programming skills.

Hospital Management System

- Designed and implemented a comprehensive Hospital Management System to streamline administrative and clinical operations. Features included patient registration, appointment scheduling, medical records management, billing, and staff management. Focused on improving usability, data integrity, and secure access through role-based authentication. Built using [your tech stack here – e.g., Java, MySQL, HTML/CSS, JavaScript].

Smart Interview Simulator Using Artificial Intelligence

- Developed an intelligent interview simulation platform that uses natural language processing (NLP) and machine learning to replicate real-life interview scenarios. The system analyzes user responses, provides real-time feedback on tone, clarity, and content, and adapts questions based on performance. Aimed at improving user confidence and readiness through personalized interview coaching.

Vulnerability Assessment And Penetration Testing(VAPT)

- Conducted end-to-end vulnerability assessments and penetration testing on web applications and network infrastructure. Identified security flaws using tools like Nmap, Burp Suite, and Metasploit, and performed manual testing to validate findings. Documented risks, provided remediation strategies, and strengthened overall security posture through systematic evaluation and ethical hacking techniques

Certificates

Big Data and AI

- Issued by Great Learning Academy

Networking Basics

- Issued by Cisco Academy

Fundamental Of Information Security

- Issued by Infosys |Springboard

Introduction to Cyber Security

- Issued by Infosys |Springboard

Threat Modeling

- Issued by Infosys |Springboard

Threat Modeling

- Issued by CySeck

