

## **DAMPURI SAI KRISHNA RITHESH**

sairithesh07@gmail.com | +91 91822 49373 | 01-01-2002

GitHub: - (<https://github.com/RITHESH773>)

### **PROFESSIONAL SUMMARY: -**

Software Engineer with 1.5 year of experience in Web development and a growing specialization in cybersecurity, committed to producing precise and accurate project results. Experienced in building and deploying scalable web applications as well as performing vulnerability assessments, network scanning, and system hardening. Seeking opportunities to contribute in both Full-Stack Web Development Java, Python, C, C++ and Cybersecurity Analyst / SOC roles.

### **Strengths: -**

- Strong analytical and problem-solving abilities.
- Proficient in cybersecurity, web development, and programming (Java, Python, React, C, C++).
- Quick learner with adaptability to new technologies and environments.
- Excellent communication, collaboration, and leadership skills.
- Ethical, disciplined, and detail-oriented professional with a growth mindset.
- Innovative thinker with a passion for creating secure and efficient digital solutions.

### **TECHNICAL SKILLS: -**

- **Web Development:** Full-Stack web Development, WordPress, Hostinger, Django, PostgreSQL, HTML, CSS.
- **Programming:** Python, C, C++, Java, Arduino Programming.
- **Networking:** IP addressing, Subnetting, DNS, DHCP, Operating Systems: Kali Linux, Windows.
- **Cybersecurity Tools:** Nmap, Nessus, Wireshark, Burp Suite, OWASP ZAP, Firewalls, IDS/IPS, Metasploit.
- **Cybersecurity Operations:** Incident Response, Security Infrastructure Monitoring.
- **Cybersecurity Governance:** Security Policy, Security Reporting.

### **SKILLS: -**

- **KEY SKILLS & COMPETENCIES:** Full-Stack Web Development, Problem-Solving & Debugging, Team Collaboration & Leadership.
- **COURSES:** Python, Cyber Security, Artificial Intelligence.

## WORK EXPERIENCE: -

**SOFTWARE ENGINEER** – GUIDSOFT Technologies Pvt Ltd Secunderabad, India (May 2024 – June 2025).

- Developed and deployed scalable web applications, improving system efficiency and
- Integrated payment gateways to enhance platform functionality and security.
- Collaborated with cross-functional teams to troubleshoot, debug, and deploy production-ready code.

## PROJECTS: -

**Ilearnunlimited:** - (<https://ilearnunlimited.com/>)

An educational and robotics-based platform offering learning resources and robotics kits.

- Developed and maintained user-friendly web interfaces for course content and product information.
- Implemented backend modules to support inquiries, user authentication, and admin control features.

**Rightmentoring:** - (<https://rightmentoring.in/>)

A career guidance and mentorship platform connecting professionals with students.

- Created and optimized modules for mentor registration, user bookings, and session scheduling.
- Delivered a responsive and intuitive user experience across devices.

**Rrayurvedam:** - (<https://rrayurvedam.com/>)

A platform offering Ayurvedic consultation and online treatment booking services.

- Developed modules for appointment scheduling, doctor listings, and contact forms.
- Ensured smooth functionality for users to book consultations and access health-related services online.

## Cybersecurity: -

Completed Cybersecurity ISO Certified Three (3) Months Course under Code Zen Eduversity Pvt Ltd.

### 1. SecureVault — Secure Encrypted Data Storage System.

**GitHub:** (<https://github.com/RITHESH773/SecureVault>)

**Description:** - Designed a web application to securely upload, encrypt, and manage user files. Implemented multi-factor authentication (MFA) and JWT-based secure sessions.

#### Tools & Technologies:

- **Languages & Frameworks:** Python, Flask.
- **Security & Auth:** bcrypt, JWT, Flask-WTF (for forms & CSRF protection)
- **Database:** MongoDB.
- **Encryption:** Custom AES-based crypto\_utils.
- **Other:** - Python Virtual Environment (venv), Flask-Login, HTML5, CSS3.

### 2. ProShield Password Checker — Password Strength & Security Analyzer.

**GitHub:** - (<https://github.com/RITHESH773/proshiled-password-checker>)

**Description:** - Built a Python-based tool to analyze password strength, detect weak patterns, and suggest improvements using regex-based logic and entropy calculations.

#### Tools & Technologies: -

- **Languages & Frameworks:** Python.
- **Core Modules:** re, string, math.
- **Optional UI:** tkinter / Flask (for GUI or web interface).
- **Focus Area:** Password security evaluation and complexity analysis.

### **3. Email Scheduler with Alerts** — Secure Automated Email & Notification System.

**GitHub:** - (<https://github.com/RITHESH773/proshiled-password-checker>)

**Description:** - Developed an email scheduling and alert system to send automated notifications securely using encryption and scheduling mechanisms.

#### **Tools & Technologies:** -

- **Languages & Frameworks:** Python, Flask (optional for web UI).
- **Libraries:** schedule, smtplib, email.mime, logging, datetime.
- **Security:** TLS/SSL encryption for secure mail transmission.
- **Environment:** Python Virtual Environment (venv).

#### **WORKSHOPS ATTENDED:**

- Participated in Ethical Hacking & Cyber Security Workshop held on 6th April 2025.
- Participated in Cyber Security Workshop held on 11th & 12th April 2022.
- Participated in ReactJS Workshop held on 28th & 29th March 2022.
- Participated in ARDUINO Workshop held on 18th & 19th Feb 2020.
- Participated in Web Development Workshop held on 4th & 5th Feb 2020.

#### **EDUCATION:**

B. Tech in Computer Science and Engineering – St. Martin’s Engineering College, Jan 2019 – Dec 2024.

#### **PAPER PRESENTATION:**

Presented a paper on “Finger Print Based Bank Locker Security System” in International Conference on “Innovations and Recent Trends in Computer Science” (ICIRTC-23) held on 24th & 25th Feb 2023 at SMEC, Secunderabad.

Date:  
Place:

**Dampuri Sai Krishna Rithesh**