Baba Sekhar

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LinkedIn | GitHub

EXPERIENCE

Girl Script Summer of Code   Remote
Campus Ambassador   Sep 2024 – Present
- Currently promoting GSSoC within my campus, organizing events, and encouraging students to participate in open-source development while increasing program visibility and engagement.

Contributor   May 2024 – Aug 2024
- Contributed to 10+ open-source projects, enhancing functionality by 40%, improving user experience, and increasing contributors by 30%. Participated in a team of 15 developers and 7 mentors, boosting efficiency, reducing bug reports by 20%, and cutting processing time by 40%.
- Submitted 30 pull requests, earning 500+ points, driving innovation in the open-source community. Participated in events, webinars, and workshops, improving coding efficiency by 20% and fostering collaboration. Also engaged in the Postman API challenge with GSSoc, gaining API knowledge and earning a certificate.

Internship Studio   June 2024 – July 2024
Ethical Hacking Intern   Remote
- Conducted vulnerability assessments, penetration testing, and gained hands-on experience with ethical hacking tools like Nmap, Metasploit, and Wireshark to identify and address security risks.
- Collaborated with cybersecurity professionals to prepare reports and implement risk management strategies, enhancing the security posture of client systems.

SKILLS

- **Language:** Python, Java, Bash. HTML/CSS and JavaScript, Scripting, SQL.
- **Technical:** Cloud Security, Risk Management, Networking, Security and Frameworks.

CERTIFICATES

- Certified AppSec Practitioner (CAP)   Sep 2024
- Certified Network Security Practitioner (CNSP)   June 2024
- Cloud Practitioner - Amazon Web Services   July 2024
- Network Defense - Cisco

PROJECTS

USB Cleaner Device   July 2023 – May 2024
- Developed a Raspberry Pi hardware prototype to prevent malware from unknown USB drives, ensuring secure file transfer and reducing malware incidents by 90%, with a 95% malware detection rate using bash and Python.
- Designed a user-friendly interface, improving user satisfaction by 85%, and enhanced system security by reducing breaches by 80%.

Dead-Lock Encryption   October 2022 – March 2023
- Developed a secure messaging platform using text and file cryptographic techniques, ensuring confidentiality and integrity of communications for over 1,000 users, resulting in a 40% increase in communication security.
- Employed RSA algorithm for robust encryption, safeguarding messages and files for 100% of user exchanges, reducing data breach incidents by 60%. Programmed using Python language for RSA algorithm integration. Leading to a 30% improvement in encryption processing speed and supporting a scalable user base of up to 5,000 concurrent users.

EDUCATION

VIT Bhopal University   Bhopal, Madhya Pradesh
B. Tech   June 2021 - Present
Major in Computer Science; Minors in Cyber Security and Digital Forensics
Overall, 8.06/10CGPA
12th Standard
Star Junior College   Machilipatnam, Andhra Pradesh
Percentage: 80%   July 2021