Karthik S Sathyan

karthikdude.github.io/Portfolio| +91 7736609629| LinkedIn: Karthik S Sathyan| GitHub: Karthikdude

EDUCATION

Srinivas University   **Mangalore, Karnataka**
BCA (Cloud Computing, Ethical Hacking , Cybersecurity)   *Expected Graduation, September 2025*
CGPA: 7.80

PROFILE SUMMARY

Ethical Hacker and Cybersecurity Expert with a solid foundation in hacking, networking, cloud computing, and programming, targeting roles that offer growth and impactful contributions in cybersecurity.

- Expertise in **bug bounty hunting** , **web penetration testing**, and secure code development.
- Currently pursuing a **BCA** at **Srinivas University**, actively enhancing skills through online courses, workshops, and a cybersecurity research project.
- Committed to **staying updated** with the **latest industry** trends and technologies, continuously enhancing skills to provide innovative solutions

PROJECTS

Two-Factor Authentication (2FA) Implementation
Tools: Python (Flask, pyotp, qrcode), HTML, CSS   **August 2024 – Current**
Developed a robust 2FA system using Flask with TOTP and QR code integration for enhanced security.
Responsibilities:

- **Designed and developed** the application architecture, implementing a secure 2FA mechanism.
- **Structured and styled** web pages using HTML and CSS for a user-friendly interface.
- **Implemented dynamic features** with Flask to handle user registration, login, and OTP verification.
- **Generated QR codes** for easy 2FA setup, allowing users to scan and obtain OTPs.
- **Tested the 2FA implementation** extensively to ensure robust security and user experience

Metadata Extraction Service
Tools: Python (Flask, Pillow, piexif, PyPDF2)   **July 2024 – August 2024**
Developed a web application for extracting and displaying metadata from various file types.
Responsibilities:

- **Metadata Extraction:** Retrieved detailed metadata, including EXIF and GPS data**.**
- **Multi-Format Support:** Supported image, document, and video formats.
- **Web Interface**: Built a user-friendly interface for file uploads and metadata display.
- **Security and Data Integrity**: Ensured secure file handling with temporary storage mechanisms, maintaining user data privacy and preventing unauthorized access.

ACADEMIC ACHEIVEMENTS

- Earned multiple certifications in cybersecurity, including **CompTIA Cybersecurity Analyst+** series and various Udemy courses, demonstrating expertise in areas such as bug bounty hunting, digital forensics, and ethical hacking.
- Completed specialized training in cybersecurity methodologies, vulnerability research, and OSINT, reflecting a comprehensive understanding of modern security practices and threat mitigation.

SKILLS

Programming: Java, Python, C, C++, HTML/CSS, JavaScript, MySQL, PHP
Tools: BurpSuite, Linux , Kali Linux, Metasploit, VS Code