Yawer Nazir

Portfolio: Yawer.me
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Education

- **Central University Of Kashmir** — Srinagar, India
  Bachelor of Computer Science; CGPA: 7.27 — *July-2022 -Present*
  Courses: *Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases*
- **Space Age Higher Secondary** — Srinagar, India
  Higher Secondary school examination(12th); CGPA:8.2
- **New Generation Public School** — Srinagar, India
  Secondary school examination(10th); CGPA: 9.8

Skills Summary

- **Languages**: Python, PHP, C++, JavaScript, SQL, Bash, JAVA
- **Frameworks**: TensorFlow, Keras, Django, Flask, NodeJS, LAMP
- **Tools**: Kubernetes, Docker, GIT, PostgreSQL, MySQL, GCP
- **Platforms**: Linux, Arduino, Raspberry, AWS, GCP, Google Cloud, Microsoft Azure
- **Soft Skills**: Leadership, Event Management, Writing, Time Management

Projects

- **Semantic Malware Analysis using Transformers & Graph Neural Networks**: (Work in progress) Building a hybrid malware detection model leveraging transformers for semantic feature extraction and GNNs for control-flow and API-graph reasoning to identify evasive generative malware variants.
  Tech: Python, PyTorch/TF, Transformers, Graph Neural Networks (GNN), Malware Analysis, Static + Dynamic Analysis, PE/ELF Feature Extraction
- **Kernel Watchtower: eBPF-Based Rootkit Detection Engine**: Architected a real-time security monitoring system using eBPF (C) and Python to intercept malicious system calls in the Linux kernel, targeting advanced evasion techniques like BPFDoor.
  Tech: C, Python (BCC), eBPF, Linux Kernel Internals, Google Cloud Platform (GCP), Git
- **Cloud-Native Malware Analysis Lab (GCP)**: Developed a scalable cloud sandbox to analyze malware behavior using distributed VM clusters, enabling automated network traffic capture, static analysis, and IOC extraction.
  Tech: Python, GCP Compute Engine, Docker, ELK Stack, Wireshark, RedLine Stealer
- **Smart Parking System using Arduino**: Built an automated smart parking prototype using Arduino and ultrasonic sensors to monitor slot availability in real time, improving space utilization and reducing congestion.
  Tech: Arduino, C/C++, Ultrasonic Sensors, IoT, LCD Display, Buzzer

Courses and Certs

- ISC2 — Certified in Cybersecurity (CC) Training
- Cybersecurity Fundamentals — edX (HarvardX)
- Arduino Timers —Udemy

Extracurriculars

- **Institute Ambassador, DEFCON Srinagar** — Srinagar, India
  Institute Ambassador for DEFCON Srinagar, representing CUK and fostering cybersecurity learning and CTF involvement.. *2025*
- **National Service Scheme (NSS) Volunteer** — Srinagar, India
  2022 – Present
  Actively contributed to national initiatives such as Swachh Bharat Abhiyan, environmental awareness drives, health camps, blood donation drives, and rural development programs.
- **Samdo MMA National Championship** — Baramulla, India
  Participated as an MMA athlete at a national-level championship, demonstrating discipline and endurance. *2023*