

Digpal Kumar

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SKILLS

Languages: Python, C, C++, Java, SQL, HTML, JavaScript

Tools/Platforms: Arduino, AutoCAD, VS Code, GitHub, Cisco Packet Tracer, Wireshark, Nmap, Linux

Soft Skills: Teamwork, Communication, Adaptability, Time Management

TRAINING

LPU Academic Workshop

Jun' 25 – Jul' 25

Fundamentals of Cybersecurity & Linux Essentials

- Learned basic cybersecurity concepts including authentication, network safety, and password hygiene.
- Practiced essential Linux commands such as file navigation, permissions, and system monitoring.
- Performed small hands-on tasks like checking open ports, observing simple network traffic, and exploring system logs.

PROJECTS

Password Strength Visualizer (passwordTool) | HTML5, CSS3, JavaScript (DOM Manipulation).

May' 24

- Built a moisture-based irrigation setup using Arduino Uno, soil-moisture sensor, and relay circuit.
- Assisted in circuit design, sensor calibration, and serial-monitor testing to verify real-time readings.
- Implemented an automatic alert mechanism using a buzzer/LED whenever moisture dropped below a threshold.
- [Link](#)

PhishAware Demonstration (phishAware) | HTML, CSS (Social Engineering UI).

Apr' 24

- Created a Python program that checks product types and materials to classify if they are eco-friendly.
- Added a small recommendation module suggesting greener alternatives using a predefined dataset.
- Tested the script with everyday items and optimized the input flow for faster checks.
- [link](#)

StegoCloak (stegocloak) | HTML Canvas, JavaScript (Pixel Manipulation).

Jun' 23

- Participated in technology-awareness sessions for rural women focused on smartphone usage and online safety.
- Demonstrated basic features like app navigation, digital payments, and secure browsing habits.
- Helped structure simple learning modules and supported participants during hands-on practice.
- [link](#)

CERTIFICATES

- Master Generative AI & AI Tools | Udemy [link](#) May' 25
- TCP/IP and Advanced Topics | Coursera [link](#) Apr' 25
- Packet Switching Networks and Algorithms | Coursera [link](#) Mar' 25
- Introduction to Hardware and Operating Systems | Coursera [link](#) Mar' 24
- Linux Fundamentals | LPU [link](#) Mar' 24

EDUCATION

Lovely Professional University

Phagwara, Punjab

Bachelor of Technology

Aug' 23 – Present

Computer Science and Engineering; CGPA: 7

Sri Viswasanthi EM High School

Vuyyuru, Andhra Pradesh

Intermediate

Mar' 20– May' 22

PCM; Percentage: 83%

Sri Viswasanthi EM High School

Vuyyuru, Andhra Pradesh

Matriculation

Mar' 19 – May' 20

Percentage: 95%