

# 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

Bachelor of Technology

Computer Science and Engineering; CGPA: 7

Phagwara, Punjab

Aug' 23 – Present

### Sri Viswasanthi EM High School

Intermediate

PCM; Percentage: 83%

Vuyyuru, Andhra Pradesh

Mar' 20– May' 22

### Sri Viswasanthi EM High School

Matriculation

Percentage: 95%

Vuyyuru, Andhra Pradesh

Mar' 19 – May' 20