

Rishav Ranjan Patnaik

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SKILLS

Languages: C, C++, Python, Shell Scripting
Frameworks: HTML, CSS and JavaScript
Tools/Platforms: Wireshark, Nmap, Burp Suite, Cisco Packet Tracer, Hack the Box
Soft Skills: Problem-Solving, Team Co-ordination, Adaptability

PROJECTS

Ai-Based Travel Planner Bot | [GitHub](#)

Jun'25 – Jul'25

- Built a web-based AI Trip Planner using Python with a structured backend and RESTful routing.
- Implemented dynamic itinerary generation based on user input through Flask API endpoints.
- Integrated frontend–backend communication using JavaScript for real-time itinerary display.

Tech stacks used: Python, HTML, CSS and JavaScript

4-digit 7 segment display clock using Arduino

Mar'25 – Apr'25

- Built a functional digital clock using an Arduino Uno and a multiplexed 4-digit 7-segment display
- Programmed the system in C, implementing timekeeping logic and stable display control
- Designed and wired the hardware circuit, ensuring accurate timing and flicker-free digit output

Tech stacks used: Arduino, C language

LVM with disk expansion and ACL configuration

Mar'24 – Apr'24

- Created and managed virtual storage using LVM by combining multiple disks into a Volume Group and configuring a Logical Volume with dynamic expansion
- Implemented secure user access using ACL's, assigning permissions and ensuring persistent configurations via filesystem mounting and /etc/fstab
- Devised performed filesystem formatting, mounting, verification and troubleshooting using essential Linux commands.

Tech stacks used: RHEL, Linux

TRAINING

Centre for Professional Enhancement | LPU

Jun'25 – Jul'25

Linux Fundamentals

- Implemented Logical Volume Management (LVM) by creating, configuring, and expanding virtual storage (5GB to 7GB) with persistent file system mounting using Linux administration tools.
- Applied secure user access using Access Control Lists (ACL), managed users and permissions, and verified system integrity through Linux command-line utilities.

CERTIFICATES

Computational Theory: Language Principle & Finite Automata Theory | [Infosys](#)

Aug'25

Linux Fundamentals | [LPU Summer Training](#)

Jul'25

Legacy Responsive Web Design | [FreeCodeCamp](#)

Oct'23

Web design using HTML and CSS | [Mindluster](#)

Feb'24

ACHIEVEMENTS

Ranked Top 25 in upGrad CTF Hackathon:

Apr'24

Among 100+ teams in CTF Hackathon

EDUCATION

Lovely Professional University

Phagwara, Punjab

Bachelor of Technology

Since Aug'23

Computer Science and Engineering **CGPA-6.51**

Pandit Junior College

Visakhapatnam, Andhra Pradesh

Intermediate; **Percentage: 65%**

Jun'21 - Mar'23

NRI's Indian Springs School

Visakhapatnam, Andhra Pradesh

Matriculation; **Percentage: 98%**

Jun'20 - Mar'21