Ayush Padminkumar Patel

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Summary

Aspiring Cyber Security professional with a B.Tech in Computer Science and Engineering, specializing in Cyber Security. Demonstrated leadership and technical proficiency (Linux OS) by successfully leading a college project. Passionate about leveraging technology and visual communication to solve complex problems.

Experience

Lead Tutor

Udgham Science Academy   January 2023 - June 2023

- Led a team of 3 tutors, effectively managing schedules and workloads for over 50 students, resulting in quantifiable improvement in student academic success.
- Developed and implemented engaging tutoring strategies, fostering a positive learning environment and increasing student engagement by 30%.

Smart Garbage Management system – SSRIP   July 2023 - Sept 2023

Ganpat University | 8 week (Summer Internship)

- Led team to develop a cost-effective smart garbage system prototype, increasing efficiency by 75% and leveraging micro-controller technology to reduce operational costs by 80%.

Advanced Blind Stick – (SOLO)   Oct 2023 - Oct 2023

Ganpat University | 1 week

- Developed a smart blind stick prototype using ultrasonic sensors to assist visually impaired individuals with obstacle detection and navigation.

Smart Irrigation System - WSRIP   Feb 2024 - March 2024

Ganpat University | 4 week (Winter Internship)

- Contributed to a winter internship project developing a Smart Irrigation System, applying teamwork skills and learning about [drip irrigation] in the process.

Web Application Developer   June 2024 – July 2024

Mercury Infoways | 4 week (Internship)

- Gained foundational knowledge of .NET technology and successfully developed a Windows-based CRUD application for employee management system, handling basic records, demonstrating practical skills in UI design and data management.

Key Skills

- Problem Solving
- Leadership
- Communication
- Video/Photo Editing
- Linux System Operations
- Teamwork

Interests

- **Reading:** Indian Mythological books and articles about recent tech inventions.
- **Music:** Playing guitar, listening to music
- **Sports:** Pickleball, Volleyball
- **Gaming:** Exploring and playing new games

Volunteering

Cultural Club

Ganpat University, Ahmedabad

- Collaborated effectively with diverse student groups to celebrate cultural heritage and create a sense of community.
- Developed promotional materials (e.g., posters, social media graphics) using graphic design software, increasing event awareness and participation.

NGO Volunteer

Forest Department, Junagadh

- Actively participated in tree plantation drives with the Junagadh Forest Department and a local NGO, contributing to environmental conservation and demonstrating commitment to community service.

Certifications

CCNA   May 2023

Ganpat University

- Earned the Cisco CCNA: Introduction to Networks credential [(certificate)](#)

Hackout'23   Sept 2023

DA-IICT

- Collaborated with a team at Hackout 2023 to solve the real world problem statements and successfully completed the 1st round. [(certificate)](#)

Red hat - IT aptitude test   Sept 2023

Red-Hat

- Competed in Red Hat Aptitude test, placing in the top 37%. [(certificate)](#)

Extra-curricular Activities

Event Coordinator, Aaghaz (Annual College Event)

- Successfully coordinated and managed the annual college event "Aaghaz" (attended by over 150 students/participants), overseeing logistics, promotions, and execution to ensure a smooth and successful event.

Youtube Channel Creator

- Managed and produced content for a personal YouTube channel on gaming tutorials and technological solutions, garnering over 200 subscribers and 500 to 1k views, demonstrating strong communication and content creation skills. [Link]

Projects

Local Network Chat Application   March 2024

- Designed and implemented a console-based chat application enabling real-time communication among multiple clients on a local network. Developed a multi-threaded server to handle concurrent client connections and message broadcasting, demonstrating proficiency in network programming, concurrent processing, and secure data exchange over TCP sockets.
- Link to project repo : https://github.com/AyushPatel240304/2FA

Secured Minecraft Server Setup   May 2025

- Developed and deployed a secure cracked Minecraft server, leveraging Paper software and Radmin VPN for stable, accessible multiplayer connections. Implemented Whitelist and Authentication plugins to prevent username spoofing and unauthorized access, significantly enhancing player security and experience by mitigating common vulnerabilities.
- Link to project repo : https://github.com/AyushPatel240304/MC_Server

Education

Ganpat University, Ahmedabad   Sept 2022- Present

- Pursuing B.Tech in Computer Science and Engineering with a specialization in Cyber Security.