P.E.ROHIT

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Professional Summary

Energetic and committed Electrical Engineering student with a strong academic foundation a passion for innovation, combined with a background in competitive sports. Adept at managing multiple priorities, demonstrating discipline, resilience, and leadership in both technical and athletic arenas.

Technical Skills (CS with Electrical)

- **Programming Languages:** C,C++,Python.
- **Web Technologies:** HTML, MySQL .
- **Tools &: Platforms:** Git, VS Code.
- **Electrical & electronics:** Power system, AEC, PSA, Microcontrollers, Embedded system.

Education

- **Bachelor of Engineering in Electrical Engineering.** **Nov/2022 – May/2025**
  [Ballari Institute of Technology and Management , Bellary] CGPA: 7.53/10.0
- **National P.U College , Hospet, Karnataka.** **July/2020 – April/2022**
- **Little Flower Composite P.U College, Hospet ,Karnataka.** **June/2021**

Projects

- **Resources Allocation Tool** **April/2024 – May 2024**

→ Technology used: Python, SQLite/CSV (optional).

→ Description: Designed and developed a Python-based Resource Allocation Tool to efficiently assign resources (such as personnel, or time slots). Implemented user input validation and conflict detection mechanisms to optimize utilization.

- **Library Management and System** **Feb/2025 – Mar 2025**

→ Technology used: Python, SQLite, File Handling.

→ Description: Developed a Python-based Library Management System using SQLite to efficiently handle book inventory, member registration, issue and return tracking, fine calculation, and features like book search and automated due-date monitoring.

- **Vibration Sensing System for Earthquake Detection** **Nov/2025 – Dec/2025**

→ Technology used: Arduino/ESP32, Buzzer/LED, Python/C++ (Embedded).

→ Description: Developed a microcontroller-based system that uses an accelerometer to detect seismic vibrations and alerts nearby users with buzzers and LEDs when predefined thresholds are exceeded.

- **Design and Development of Solar Powered Smart Scarecrow for Farmlands** **(Ongoing Project)**

→ Technology used: Arduino/ESP32, PIR Sensor, Ultrasonic Sensor, Solar Panel, Buzzer, Servo Motor, IoT.

→ Description: Developed a solar-powered smart scarecrow system using PIR and ultrasonic sensors to detect motion and automatically activate alarms, lights, rotating arms, and sound-based deterrents to protect crops from animals and birds.

Internship /Experience

- **Python Project (Library Management and System), EZ Trainings** **April/2024–May/2024**
- **Web Development Training, INTERNZ LEARN** **May/2025**
- **Web Development Internship, INTERNZ LEARN** **June/2025–July/2025**

Certifications

- **Internship certificate on Python.** **April/2024 – May/2024**
- **Training and Internship certificate in Web Development.** **May/2025 – July/2025**

Academic Achievements & Activities

- Secured 7 cumulative GPA in all the semesters.
- B certificate in National Cadet Corps (NCC) and pursuing C certificate.

- Secured 3rd place in VTU Hockey Tournament in 2025 and Three times Runner-up in Hockey Divisional level Tournament in 2024-2025.
- Participated in VTU Athletics in 2025.
- Participated in JSW Steel City Run 5k Marathon in 2025
- Participated in the inter college competition HACKB-24 hackathon held at BITM, Ballari.