

NAKKA LAKSHMI KALA

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Objective

Motivated B.Tech student in Electronics and Communication Engineering with a minor in Computer Science Engineering. Skilled in Java, Python, and IoT-based projects. Seeking a position in the software field to apply technical expertise, analytical thinking, and problem-solving skills toward developing efficient and innovative solutions.

Skills

- Programming: C, Java, Python
- Web Technologies: HTML, CSS
- Frameworks & Tools: Spark, OpenCV, Arduino, Blynk, Git, VS Code
- Concepts: Data Structures & Algorithms (DSA), OOPs
- Soft Skills: Communication, Problem-Solving, Teamwork, Time Management

Education

- B.Tech in Electronics & Communication Engineering (Minor in CSE), Aditya University, 2022 – Present |
- CGPA: 8.39 (till date)
- Intermediate (MPC), Prakash Junior College, 2020 – 2022 | 89%
- SSC, KVN Vidyalaya, 2019 – 2020 | 98%

Projects

- **Food Ordering System (Java, Spark, HTML/CSS):** Developed a full-stack system with authentication, cart, and order management. Implemented Java Collections & Streams for efficient data handling.
- **Real-Time Drowsiness Detection (Python, OpenCV, Dlib, Arduino):** Built a vision-based system using EAR/MAR metrics to detect drowsiness. Integrated ESP8266 for buzzer alerts in real-time.
- **IoT-based Water Monitoring System (Blynk, ESP8266):** Designed a smart system for real-time monitoring of water levels via mobile app.
- **Mini Projects (Python):** Created applications including Digital Clock, Connect 4, Snake Game, and Tic Tac Toe using Tkinter and Pygame.

Internships

- In-House Internship – Aditya University: Worked on IoT and ML mini-projects, gaining experience in sensor integration and real-time data handling.
- Virtual Internship – SkillDzire (IoT): Developed IoT prototypes and understood sensor communication and smart monitoring applications.
- Short Term Internship – HCL Jigsaw: Mentored 40+ student teams in Round 2 of the competition.

Certifications

- C – Cisco
- Java, HTML & CSS – Certiport
- Python & Generative AI – edX

Achievements

- Selected for Smart India Hackathon 2024.
- Mentored 40+ teams in HCL Jigsaw competition (Round 2).
- Presented projects and posters at university level.
- Earned a merit certificate from Naukri Young Turks Contest.