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## PROFESSIONAL SUMMARY

Motivated Electronics and Communication Engineering student with a strong focus on IoT, cloud computing, and DevOps fundamentals. Hands-on experience with real-world projects, rapid prototyping, and AWS services (EC2, S3, Lambda). Proficient in Linux environments with a solid foundation in system design, automation, and problem-solving. Quick learner with strong adaptability to enterprise development environments.

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## EDUCATION

KPR Institute of Engineering and Technology - Coimbatore

May 2027

**B.E. Electronics and Communication Engineering**

**CGPA:** 7.99/10.00

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## INTERNSHIP EXPERIENCE

### Web Development Intern, Applifiles (Jun–Jul 2025) – [online]

- Developed response to websites and assisted with backend integration and using HTML, CSS and basic JavaScript.

### AI Intern, KrishTec (Jun–Jul 2025) – [remote]

- Assisted in developing and testing machine learning models and data preprocessing pipelines for AI projects.

### IoT & PCB Design Intern, KPR Institute of Engineering and Technology (Jan 2025)

- Designed PCB's and developed IoT circuit prototypes using Arduino, Espressif, Raspberry Pi for embedded projects

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## FREELANCE PROJECTS

### Smart Cattle Feeder System

- Automated livestock feeding using Arduino, sensors, and IoT for scheduled dispensing and remote monitoring.

### POS System for Hypermarket






- PHP-based point-of-sale system with inventory management and billing for efficient checkout operations.

### BLE Logistics Tracker

- Engineered a Bluetooth Low Energy tracking system to monitor and locate logistics packages in real time using custom BLE tags.

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## CERTIFICATIONS

- NPTEL:** Programming in Python; Introduction to Industry 4.0 and IoT 
- Cisco NDG:** Linux Unhatched 
- KodeKloud:** Linux & Docker Crash Courses (Completed Jul 2025) 
- AWS:** Cloud Practitioner Essentials (Aug 2025) 
- HackerRank:** Python (Basic), Problem Solving (Basic) 

## SKILLS

- Programming:** Java, Python, HTML, CSS, SQL
  - Cloud & DevOps:** AWS (S3, CloudFront, ECS, ECR, CloudWatch), Docker, Kubernetes, MongoDB Atlas, Linux
  - Embedded Systems & IoT:** Arduino, ESP8266, Raspberry Pi, MQTT, BLE, RFID
  - Tools:** Arduino IDE, MicroPython, Git, GitHub, Docker, Kafka, Zookeeper, Figma (basic), Canva
  - Soft Skills:** Communication, Teamwork, Time Management, Leadership
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## LEADERSHIP EXPERIENCE

### Co-Chair Person : YI-YUVA CLUB KPRIET

- Organized and guided activities that encouraged entrepreneurial thinking and showcased leadership in driving impactful student innovations. [Ongoing]

### OFFICE BEARER : SANGAMAM KPRIET

- Organized and guided Sangamam Club activities, strengthening team engagement and leadership culture. [JUL 2024 – AUG 2025]

### ACTIVE MEMBER : IETE STUDENTS FORUM

- Served as a member at IETE Students' Forum, coordinating technical events, workshops, and seminars to promote innovation and professional development among peers. [Ongoing]

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## ACHIEVEMENTS/PARTICIPATIONS

### PAPER PUBLISHED

*LoRaWAN-Based Smart Monitoring and Alert System for Enhancing Safety in the Mining Industry* at EAI BDCC 2025, Coimbatore.

### HACKATHON

- DecodeX 2025** : Encrypted. Classified. Unlocked - BMSITM Bangalore.
- IEEE Xtreme 18.0** : Global Participant of 24-Hour Hackathon, by IEEE SB KPRIET.

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**LANGUAGES** : ENGLISH(Intermediate), TAMIL(Native), GERMAN(Basics)

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