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## EDUCATION

### **St. Joseph's college of engineering**

B.E – Electronics and Communication Engineering; CGPA: 8.14

Chennai,India

**2021-2025**

### **Montfort Matriculation Higher Secondary School**

90% in 10th Grade and 90% in 12th Grade

Chennai,India

**2010 - 2021**

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## SKILLS SUMMARY

- **Languages :** Python(Intermediate), MATLAB (basics), MySql(basics)
  - **Tools :** Power BI, Excel, PowerPoint, Word
  - **Soft Skills :** Strategic Thinking, Leadership, Cross-functional, Problem Solving, Decision-Making, Effective Communication, Risk Management
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## WORK EXPERIENCE

### **Project Trainee | Hyundai Motors Private Limited |**

**June 2024 – July 2024**

Spearheaded the design and development of the Line Safety Automation initiative, enhancing shop floor safety through advanced IT integration. This project significantly improved operational safety protocols, reduced risk factors, and ensured compliance with industry standards.

### **Internship Trainee | Verzeo |**

**February2023 – March 2023**

Identified and assessed potential risks associated with the IoT-based projects, focusing on real-time data collection and processing.

### **Internship Trainee | Southern Railways |**

**May 2023**

**Engineered an efficient communication system for railway school** by repurposing and strategically installing legacy speakers to ensure clear and effective classroom communication. **Designed a sophisticated CCTV solution for railway hospital**, optimizing security and operational efficiency through precise, high-performance monitoring technology.

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## PROJECTS

**Mealshare:** MSME GOVT. approved Project, the Total grant approved is rupees 10 Lakhs. Engineered a solution to tackle food waste and enhance food security through efficient redistribution.

**Nutrient NPK Sensing and Monitoring System in hydroponics:** helps farmers to remotely monitor the nutrient of the plants grown in hydroponic culture

**Avian Acoustics- Bird Classification:** A deep learning-based system for identifying and classifying bird species through their vocalizations.

**Motion Detection By Image Processing:** analyzes video frames to identify and track movement by detecting changes in pixel patterns.

**RFID Door Lock System:** Uses radio frequency identification to grant access by reading an RFID tag

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## ACHIEVEMENTS

**WINNER, MSME HACKATHON:** Secured a grant of ₹10 lakh for innovative project development, recognized by the Government of India.

**RUNNER UP, HACKATHON:** Secured the second runner up among 40 teams from all over India

**BEC Vantage (Level B2):** Certified in Business English with proficiency in professional communication.

**FINALIST, H-A-C-KATHON:** Emerged as one of the finalists among 200 teams from Tamil Nadu.