

# RAGAVENDRA M

## Electronics and Communication Engineer

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Coimbatore, Tamil Nadu, India

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## Summary

Electronics and Communication Engineering graduate with a strong foundation in embedded systems, machine learning concepts, and core engineering principles. Hands-on experience through internships, academic projects, and workshops. Actively transitioning towards software and IT roles with working knowledge of C, C++, Java, and basic computer networks.

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## Education

### **B.E. – Electronics and Communication Engineering** (2018 – 2022)

Sri Krishna College of Technology, Coimbatore

CGPA: **8.16 / 10** (Till 7th Semester)

### **Higher Secondary Education** (2018)

Sri Visweswara Vidyalaya Matric Higher Secondary School, Coimbatore

Percentage: **71.5%**

### **Secondary School Leaving Certificate** (2016)

Sri Visweswara Vidyalaya Matric Higher Secondary School, Coimbatore

Percentage: **80.6%**

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## Technical Skills

- **Programming Languages:** C, C++, Java
  - **Core Concepts:** Embedded Systems, Microcontrollers, Basic Machine Learning
  - **Tools & Software:** MS Word, MS Excel
  - **Academic Knowledge:** Computer Networks, VLSI Design, Electric Circuits
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## Internship & Work Experience

### HR Executive

ERP Mark Company

*Duration: 1 Year* - Handled recruitment activities including screening resumes, scheduling interviews, and onboarding candidates. - Maintained employee records, attendance, and basic HR documentation. - Coordinated between management and employees to ensure smooth daily operations. - Developed communication, organizational, and people-management skills.

### Employee / Technical Staff

Photonic Company Private Limited

*Duration: 9 Months* - Worked as a full-time employee supporting company operations and technical processes. - Gained exposure to industrial work culture, team coordination, and process execution. - Assisted in basic technical and operational tasks as per project requirements.

### Embedded Systems Intern

3Q Technologies

- Completed a 23-day internship on Embedded Systems using **PIC16F877A Microcontroller**. - Gained hands-on experience in embedded software programming and hardware interfacing concepts.

### Engineering Intern

Gateway Software Solutions

- Completed an 8-day internship focused on electric circuits and core electronics concepts. - Learned practical applications of circuit analysis and troubleshooting.

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## Academic Projects

**Air Quality Prediction Using Machine Learning** (Final Year Project) - Developed a machine learning-based model to predict air quality levels. - Performed data preprocessing, feature selection, and model evaluation. - Worked with real-world environmental datasets to improve prediction accuracy.

**Web Application Using Django** - Designed and developed a dynamic web application using **Python and Django framework**. - Implemented user authentication, CRUD operations, and form handling. - Used Django Models, Views, Templates (MVT architecture) for backend development. - Integrated HTML, CSS for frontend and SQLite/MySQL for database management. - Focused on clean code structure, security, and scalability.

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## Workshops & Training

- Attended a **5-Day Workshop on IoT using PIC18 Microchips** conducted by Apsis Solutions, Bangalore.
- Earned *Customer Technical Training Certificate*.

## Certifications

- NPTEL – Computer Networks and Internet Protocol
  - NPTEL – CMOS Digital VLSI Design
  - Great Learning – Java
  - Apollo – C and C++
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## Languages

- **Tamil:** Native
  - **English:** Full Professional Proficiency
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## Interests

- Reading motivational books
- Learning new technologies
- Sports