

MONIKA B

ELECTRONICS AND COMMUNICATION ENGINEER

CONTACT

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Monika B
Sivakasi, Tamil Nadu.

KEY SKILLS

- Teamwork and Leadership
- Effective Communication
- Presentation Skills
- Technical Documentation
- Analytical Skills
- Time Management

TECHNICAL SKILLS

- IoT Applications
- Microstrip Antenna Design
- Automation using Arduino
- Circuit Design and Testing
- Embedded Systems
- Basic Networking Concepts

SOFTWARE & TOOLS

- CST Software Suite
- Arduino IDE
- Microsoft Office
 - Word, Excel, PowerPoint
- MATLAB (Basic)

PERSONAL DETAILS

Date of Birth : 28th Dec 1999
Nationality : Indian
Gender : Female
Marital Status : Unmarried
Languages known : English & Tamil

PROFILE

I am a dynamic and goal-oriented Electronics and Communication Engineer with a robust foundation in IoT applications, automation, and antenna design. Proficient in utilizing advanced tools such as Arduino and CST software, I excel in developing innovative solutions. My strengths include problem-solving, collaborative teamwork, and the application of analytical skills to achieve optimal outcomes. With a passion for continuous learning and a commitment to contributing to meaningful projects, I am eager to leverage my technical expertise in a challenging, growth-oriented role.

EDUCATION

- B.E - Electronics and Communication Engineering | 2023** **CGPA: 8.5**
AAA College of Engineering and Technology, Sivakasi.
- Higher Secondary Certificate | 2018** **Grade: 78.4%**
KPATDRS Jaycees Matric Hr. Sec. School, Sivakasi.
- Secondary School Leaving Certificate | 2016** **Grade: 91.8%**
Tancem Edl Trust Matric Hr. Sec. School, TNC Alangulam.

PROJECTS

- Academic Project (2023)** **Duration: 4 Months**
Title: Miniature Microstrip Antenna for IoT Applications
Description: Developed a rectangular microstrip antenna utilizing CST software. This project focused on optimizing key parameters such as gain, return loss, and bandwidth specifically for Internet of Things (IoT) applications. The goal was to enhance the antenna's performance by analyzing variations in patch materials, contributing to future advancements in communication systems.

- Mini Projects (2022)** **Duration: 1 Months**
Title: Automatic Hand Sanitizer Using Arduino UNO
Description: I designed an automatic hand sanitizer dispenser utilizing an Arduino UNO in conjunction with ultrasonic sensors. This project emphasized sanitization and virus elimination, employing an ultrasonic sensor to detect distance based on the heat emitted by the human body.

COURSES & TRAINING

- RH124 RedHat System Administration**
AAA College of Engineering and Technology, Sivakasi.
- Industrial Training on Fundamentals of Telecom** **Duration: 5 Days**
BSNL, Virudhunagar.

ACTIVITIES

- Delivered a paper presentation on "Miniature Microstrip Antenna for IoT Applications" at the ICRICCM-23 conference, hosted by AAA College of Engineering and Technology.