Tamizhazhagan S

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# Professional Summary

Highly motivated Electronics and Communication Engineering student with versatile experience in both IT and Core domains. Proficient in Java, C, Python, and SQL for software development and problem-solving. Experienced in embedded systems, automation, hardware design, and cloud-based solutions. Demonstrates strong collaboration skills and practical understanding of engineering principles.

# Education

Bachelor of Engineering (B.E.) in Electronics and Communication Engineering  
AVS Engineering College, Salem(Present)  
Expected Graduation: June 2026

Diploma in Electrical and Electronics Engineering  
Thiagarajar Polytechnic College, Salem  
Aug 2020 – May 2023

SSLC  
Government Higher Secondary School, Singipuram  
Mar 2019 – Mar 2020

# Technical Skills

Programming Languages: Java, C, Python, JavaScript, CSS, HTML, SQL

Database: SQL

Software Tools: VS Code, IntelliJ IDEA, Eclipse, Git, Linux, Code Orbital

Hardware Tools: Multisim, Arduino, Microcontrollers

Operating Systems: Windows, Linux

# Projects

BookMyShow Ticket Booking System

• Developed a Java-based ticket booking application.  
• Integrated user authentication, SQL database, and admin-user interface.

FM Spy Bug

• Designed a wireless FM transmitter for discreet surveillance.  
• Implemented using wideband frequency modulation.

Automatic Cleaning Bot

• Created a semi-autonomous bot for industrial floor cleaning.  
• Controlled via mobile and equipped with sensors for automation.

# Internship

Bharat Sanchar Nigam Limited (BSNL), Salem — Feb 2025

• Worked on circuit design, telecom infrastructure, and embedded systems.  
• Gained insights into software and hardware integration within telecom networks.

# Certifications

* • Java (Basic) – HackerRank  
  Verified | Issued: July 2025  
  Covered: OOP, exception handling, loops, arrays, classes, methods.
* • JavaScript (Basic & Intermediate) – HackerRank  
  Verified | Issued: July 2025  
  Covered: functions, objects, arrays, DOM, ES6, event handling.
* • Python (Basic) – HackerRank  
  Verified | Issued: July 2025  
  Covered: syntax, functions, control flow, lists, dictionaries, error handling.
* • SQL (Basic to Advanced) – HackerRank  
  Verified | Issued: July 2025  
  Covered: SELECT, JOINs, subqueries, aggregates, indexing.
* • Problem Solving (Basic & Intermediate) – HackerRank  
  Verified | Issued: July 2025  
  Covered: algorithms, data structures, time complexity, greedy, recursion.
* • CSS (Basic) – HackerRank  
  Verified | Issued: July 2025  
  Covered: styling rules, layout, flexbox, selectors, positioning.
* • Java Programming Course – Livewire, Salem  
  Oct 2024 – Dec 2024  
  Hands-on training with core Java, OOP concepts, exception handling, and file handling.
* • Cloud Infrastructure & AI – GUVI / IITM  
  Issued: May 2024
* • Machine Learning Basics – GUVI  
  Issued: Oct 2023

• Java Certification – Dec 2024

• Machine Learning Basics – Oct 2023

• Cloud Infrastructure AI – May 2024

# Soft Skills

• Problem Solving  
• Team Collaboration  
• Communication  
• Analytical Thinking

# Languages

• English – Fluent  
• Tamil – Native

# Declaration

I hereby declare that the above information is true to the best of my knowledge.