

# Anuratha N

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## Objective

To leverage my technical and communication skills to contribute effectively to organizational goals while continuously learning and enhancing my expertise.

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## EDUCATION

Bachelor of Engineering (Electronics and Communication Engineering)  
K. Ramakrishnan College of Engineering (Autonomous) | 2018 - 2022  
CGPA: 8.02

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## TECHNICAL SKILLS

- **Programming Languages:** C, Java, Python, SQL
- **Web Development:** HTML, CSS
- **Tools and Frameworks:** Apache Kafka, Spring Kafka
- **Core Skills:** Team collaboration, time management, and effective communication

## Projects

- **Heart Rate Monitor System**  
Developed a system using Arduino and a heartbeat sensor to track heart rate efficiently
  - **Pattern Recognition of Finger Movements**  
Implemented machine learning techniques to classify finger movements from SEMG signals, enhancing accuracy in pattern recognition.
  - **Real-time Kafka to WebSocket Data Streaming**  
Created a Java application to consume Kafka topics and convert them to WebSocket notifications using Java WebSocket API, enabling real-time data processing.
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## Professional Training

- **Embedded Systems Internship**  
CodeBind Technologies  
Completed a five-day internship focused on embedded systems, building practical knowledge in hardware-software interfacing.
- **Robotics Workshop: Future Technologies**  
Sastra University, Tanjore  
Participated in a workshop that explored advancements in robotics and automation.

## CERTIFICATIONS

- **Honours Diploma in C Language**  
CSC Computer Education (P) Ltd. | 2018
- **Google Analytics for Beginners**  
Google Analytics Academy | 2020
- **Advanced SQL Query Writing**  
Practical experience with complex SQL queries, including joins, subqueries, and group-by operations.

## ADDITIONAL EXPERIENCE

PRACTICED C PROGRAMMING ON PLATFORMS LIKE HACKERRANK AND SKILLRACK.

## LANGUAGES

- ENGLISH
- TAMIL