

# MOHAMED SYED JUNAITH S B

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## CAREER OBJECTIVE

To leverage my EEE background and strong software development skills to contribute effectively in a software engineering role, while continuously learning and growing within the organization.

## TECHNICAL SKILLS

Programming Languages : C, Java, JavaScript, Python  
Frontend : HTML , CSS  
FrameWorks : React , Spring Boot  
Backend : Node.js , Express.js  
Tools : Github, VS codeQ, Postman, IntelliJ IDEA, Vercel  
Database : MongoDB, MySQL

## PROJECTS

### SMART TIMETABLE BELL SYSTEM WITH REAL-TIME UPDATES AND STAFF ALLOCATION - [Link](#)

Built an IoT-based smart school bell system using ESP32 and Node.js APIs with Wi-Fi communication, enabling real-time timetable updates, automated bell control, and automatic staff allocation from the backend database.

### AI-POWERED COCONUT SORTING SYSTEM

Built a YOLOv8-based system to detect cracked vs. healthy coconuts with real-time inference optimized for edge deployment, improving sorting accuracy and reducing manual effort.

### DIGITAL TOURNAMENT MANAGEMENT PLATFORM

Developed a full-stack tournament management platform using React, Node.js, and MongoDB with participant management, role-based access for admins, organizers, and players, and integrated payment processing using Razorpay with hardware-based payment gateway support.

### IOT-BASED WATER QUALITY MONITORING SYSTEM

Built a smart water quality monitoring system using TDS, turbidity, and temperature sensors, integrated with ESP32 and an LCD display. The system automatically detects unsafe water, triggers a buzzer alert, and displays real-time water quality status, reducing manual monitoring effort.

## EDUCATION

### B.E. in Electronics & Electrical Engineering (HONS.)

Kongu Engineering College, Perundurai, Erode

- CGPA: 9.02 (up to 4<sup>th</sup> Semester)

### Higher Secondary Certificate (HSC)

Periyar Centenary Memorial Matric School, 2023

- Percentage: 83.3%

### Secondary School Leaving Certificate (SSLC)

Seventh Day Adventist Matric School, 2021

## ACHEIVEMENTS

- Academic Excellence Award – 2025–2026
- ROV-Based Smart Inspection System – Paper Presentation, Kongu Engineering College | First Prize
- IoT-Based Automatic Speed Breaker – Project Presentation, Kongu Engineering College | Second Prize
- Coding Contest – Won a prize, organized by the department