

# BENNURI CHARAN TEJA

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## PROFESSIONAL OVERVIEW

Software-focused ECE student skilled in Java, Python, and full-stack concepts, with strong experience in AI/ML, mobile app design, and IoT automation. Passionate about building scalable software systems, intelligent applications, and embedded-software integrations.

## PROJECTS

- **NutriConnect – Smart Nutrition Tracking App**
- A Figma-designed nutrition tracking system with workflow planning for user data processing.
- **Sports Registration System – Java Swing Application**
- A Java Swing-based event management tool for registrations and participant tracking.
- **GSM-Based Remote Water Pump Controller**
- SMS-based IoT system to control water pumps using ESP32 and SIM800.
- **End-to-End AI Integration for Indian Agriculture**
- AI pipeline combining crop monitoring, yield prediction, and price forecasting.
- **Human Activity Recognition (HAR) Using ML & 3D-CNN**
- HAR system using UCF-50 dataset with 3D-CNN models to classify human activities.
- **MIMO-OTFS Simulation – MATLAB**
- Simulated high-mobility MIMO communication using OTFS modulation.
- **ESP32-CAM Live Streaming Robot**
- A real-time surveillance robot built with ESP32-CAM.
- **RRAM-Based Ternary Logic Simulator**
- Designed and simulated ternary logic circuits using RRAM.

## Technical Skills

- **Languages:** C, Java, Python, HTML, CSS •
- **Platforms:** Arduino IDE, EasyEDA, Proteus, TinkerCAD, Figma
- **Embedded:** Arduino, 8051, ESP32, ESP8266, PMOS, NMOS, CMOS
- **Concepts:** DSA, OOP, PCB Design, Microcontrollers
- **Soft Skills:** Communication, Teamwork, Adaptability, Critical Thinking, Time Management, Leadership.

## EDUCATION

### B-Tech-ECE

KL University  
CGPA- 9.54(2023-Present)

### Intermediate- MPC

Narayana Junior College  
98%-2023

## CERTIFICATIONS

- AWS-Cloud Practitioner-2025
- MongoDB-Associate Developer-2024
- Automation Anywhere Advanced-RPA Professional - 2025

## HOBBIES

- Chess
- Badminton
- Music