

JUNGONI AMULYA

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Career Objective

Enthusiastic and detail-oriented Electronics and Communication Engineering (ECE) student with strong skills in embedded systems, communication technologies, and automation. Seeking an opportunity to apply my technical knowledge and project experience in a core engineering role, contributing to innovative solutions in the semiconductor and telecommunication industries.

Education

B.Tech – Electronics and Communication Engineering

Joginpally B.R. Engineering College, Ranga Reddy — Pursuing (2023–2026)

Diploma – Electronics & Communication

(Equivalent to Class XII) — 2023 | 8.9gpa

Secondary School (Class X)

National Open School — 2020 | 10gpa

Technical Skills

- Programming & Tools: Python, MATLAB basics, Arduino, Html,Css in Frontend development, Machine Learning, large language models,
- Domain Knowledge: Digital Electronics, Communication Systems, VLSI basics
- Other Skills: Public Speaking, Team Collaboration

Projects

Rain Detection System (Feb 2024 – Jul 2024)

- Designed and implemented a rain sensor to detect rainfall using conductive sensing.
- Integrated with control systems to automate irrigation and alert mechanisms.

RF-based Home Appliance Control (Jan 2023 – May 2023)

- Developed a wireless RF transmitter-receiver system to control home appliances remotely.
- Enabled switching of lights, fans, and devices, enhancing automation efficiency.

Gesture Controlled Robot (Jan 2025-June2025)

- Designed and developed a robot controlled through hand gestures using Arduino IDE.
- Integrated accelerometer sensors to detect hand movements and translate them into motion commands.

Front End Development In Ecommerce Webdesign(Aug2025)

- Designed and developed the front-end of an e-commerce website using HTML, CSS, and JavaScript.
- Implemented responsive layouts to ensure compatibility across desktop and mobile devices.

Generative AI for Text Generation and Summarization (Aug 2025-Sep2025)

- Implemented Natural Language Processing models for text generation, summarization, and classification.
- Worked with transformer architectures (GPT-2, BERT, Distil BERT, BART) for experimentation.

Internship

Telecommunication Intern – BSNL (TSEC) (Jul 2022 – Jan 2023)

- Gained hands-on experience in fiber splicing, telecommunication networks, and switching systems.
- Learned practical applications of communication engineering principles.

Embedded System Intern-IGNITE (April 2025-may2025)

- Worked on a **Hand Gesture Controller project** using Arduino IDE.
- Implemented gesture recognition to control devices and robotic movements..

Achievements

- Awarded scholarships in B.Tech and School for academic excellence.
- Awarded from collector for many competitions in my school.

Languages

- English
- Telugu