

# YASH CHAKERVERTI

Ghaziabad, Uttar Pradesh

📞 9599756845

✉ [yashchakerverti@gmail.com](mailto:yashchakerverti@gmail.com)

🌐 [linkedin.com/in/yash-chakerverti](https://www.linkedin.com/in/yash-chakerverti)

🐙 [github.com/YD-YC](https://github.com/YD-YC)

🌐 [Portfolio](#)

## Education

### B.Tech in ECE (AKTU)

Nov 2022 – July 2026

ABES Engineering College

CGPA-7.0

### Class 12th (CBSE)

2022

Ch. Chhabil Dass Public School

76.2%

### Class 10th (CBSE)

2020

Ch. Chhabil Dass Public School

92.6%

## Technical Skills

**Developer Tools:** Arduino IDE, BLYNK IOT, Firebase, MATLAB, Proteus, LT Spice

**Skills:** Embedded Programming and Firmware (ESP32, Arduino Uno, Raspberry Pi), Hardware Integration, Communication Protocols (I2C, I2S, SPI, UART), Sensor Interfacing, Debugging

## Internships

### Ripple Healthcare

May 2025 - Present

Embedded Hardware Intern

Onsite (Gurgaon)

- Exploring innovative solutions in healthcare technology using embedded hardware platforms.

### Humble Bee @ Buzzworthy

March 2025 – May 2025

Embedded Intern

Remote

- Developed and maintained firmware for InHive sensor and gateway systems, including audio capture, transmission, modem control, and bug resolution
- Engineered Raspberry Pi logic for timed video capture; collaborated on firmware integration for next-gen embedded hardware

### Sphere.ai

Feb 2025 – March 2025

IoT and Hardware Developer Intern

Hybrid

- Integrated memory systems, microphones, and speakers with ESP32
- Debugged complex hardware-software interactions

### lvlAlpha Private Limited

Dec 2023 – Feb 2024

EEE System Design Associate

Remote

- Assisted in TTMS Tool and Asset Tracking system Preliminary Technical Documentation
- Worked on the New Product Development - “Arch Eon and Had Eon” Wearable Health Monitors

## Projects

### ARDUMIST (Portable Humidifier)

May 2024

- Developed a portable humidifier using an Arduino UNO microcontroller to maintain room humidity levels above 75%
- Integrated a DHT sensor for real-time humidity monitoring and an ultrasonic vibration mechanism for water spray

### Weather Monitor

Jan 2024

- Designed an IoT weather station that monitors room temperature and humidity using precision sensors
- Utilized Blynk IoT platform to stream data to a mobile app

### Automatic Plant Irrigation System

Feb 2024

- Developed an automated irrigation system using Arduino to measure soil moisture via analog sensors
- Implemented threshold-based algorithms to trigger a water pump when soil moisture drops below set level

## Achievement

### GATE 2025

Qualified in Electronics & Communication

## Extracurricular

### Light De Literacy (NGO Initiative)

Dec 2022 – Present

Camp Coordinator

- Educating 50+ underprivileged students in slum areas on STEM subjects, emphasizing basic electronics.

### Unstop Igniters Club

Oct 2023 – Oct 2024

Technical Member

- Organized events such as WEB BATTLE, showcasing technical challenges and electronics projects.