YASH CHAKERVERTI

Ghaziabad, Uttar Pradesh

📞 9599756845 ✉ yashchakerverti@gmail.com in linkedin.com/in/yash-chakerverti 🌐 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

SQA and Testing: Manual Testing, Test Case Design, Bug Reproduction, UI Validation, Functional Testing, Defect Reporting, Exploratory Testing

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

Josh Technology Group — **June 2025 - Present**
Software Quality Analyst — *Onsite (Gurgaon)*
- Contributing to manual testing efforts by reviewing feature flows, executing test cases, and logging issues in coordination with the QA team
- Investigating bugs, reproducing issues, and communicating findings to developers for timely resolution

Ripple Healthcare — **May 2025 - June 2025**
Embedded Hardware Intern — *Onsite (Gurgaon)*
- Explored the 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.