

TANMAY SRIVASTAVA

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SUMMARY

- Experienced **Embedded Engineer** with **1 years 5 months** of expertise in development of embedded systems & IOT.
- Skilled in delivering reliable hardware solutions, optimizing performance, and troubleshooting complex issues in real time.
- Passionate about staying updated with advancements in embedded technology.

PROFESSIONAL EXPERIENCE

Invader Technologies PVT LTD

Embedded Engineer

Gurugram, India

April 2025 – Present

- **Embedded Systems Development:** Hands-on experience with microcontrollers boards such Arduino uno, and ESP32 for real-time embedded and IoT applications.
- **IoT Enablement & Wireless Connectivity:** Developed compact IoT devices utilizing ESP32's Wi-Fi and Bluetooth capabilities; implemented reliable data transmission using protocols like I2C, UART, and IP-based communication.
- **System Integration & Testing:** Skilled in integrating hardware and software, performing functional validation, and ensuring compliance with industry standards like IPC or ISO.
- **Power & Communication Systems:** Knowledgeable in working on low-power systems, ADC, DAC , communication protocols (SPI, I2C, UART).

SENSATION SYSTEM PVT LTD

Electronics Engineer

Noida, India

March 2024 – Present

- **Microcontroller Programming:** Experience working with microcontrollers (ABOV, STM etc.) for real-time embedded applications.
- **Hardware Design & Development:** Proficient in testing, and debugging embedded hardware systems, including PCB layout and schematic design.
- **System Integration & Testing:** Skilled in integrating hardware and software, performing functional validation, and ensuring compliance with industry standards like IPC or ISO.
- **Power & Communication Systems:** worked on communication protocols (LORA).

COMPETENCIES

Micro Controller: Arduino uno, ESP32, STM, ABOV, LORA Ra-02H

Programming Languages: Embedded C++, Java, Spring Boot, OOPS, Data Structure

Tools and Platforms: Altium PCB Design, Arduino IDE, Proteus

Database: MS SQL

Additional Skills: MS Office, Eclipse, Power Electronics, Analog Circuit Design, Digital System Design

Soft Skills: Teamwork, Communication, Problem-solving, Creativity, Adaptability, Flexibility, Work ethic

EDUCATION

- **Bachelor of Technology (ECE)** from ABES Engineering College, Ghaziabad (U.P), **7.2 CGPA 2020** -2024
- **12th** from Heera Public School, Samalkha, New Delhi, **75.3% 2019** -2020
- **10th** from Heera Public School, Samalkha, New Delhi, **80% 2017** -2018

CERTIFICATION & ACHIEVEMENTS

- Completed training in Embedded System & IOT provided by ABESEC College.
- Certificate of Xiaomi Ode2Code 3.0 by Xiaomi India
- Runner Up in Swimming Competition in College

Hobbies

- Swimming
- Cinematography & VFX design