JUNAID SAHIBOLE

CONTACT

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✉ Juniadsahibole22@gmail.com

📍 Mumbai

SKILLS

- **Hardware Design**: Circuit Design, PCB Design
- **Programming language**: C, C++, C# Python
- **Microcontrollers**: Raspberry Pi, Arduino, STM32
- **Communication Protocols**: UART, SPI, I2C, CAN, TCP
- **Repair & Troubleshooting**: Electronics Debugging, Micro Soldering, Sensor Interfacing

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EDUCATION

SSC, Maharashtra Board

Don Bosco High School & Junior College

HSC, Maharashtra Board Commerce

Vidyadeep Vidyalaya & Junior College

LANGUAGES

Hindi

English

Marathi

PROFILE

I am a skilled electronics technician and developer with experience in reverse vending machine projects and has an expertise in Arduino, Raspberry Pi, and STM microcontrollers. I specialize in interfacing electronic modules, SPI and I2C communication, basic programming in C, C++, Python,C# and advanced microsoldering. My passion for technology drives me to design innovative solutions in automation and electronics.

WORK EXPERIENCE

Research Associate

IIT Delhi (Dec 2023 - June 2025)

- Contributed to the development of a Reverse Vending Machine project, integrating hardware and software systems.
- Utilized Raspberry Pi and Arduino for automation and control, incorporating SPI and I2C protocols.
- Assisted in programming microcontrollers using basic C and Python, ensuring seamless device operation.

Lead Technician - Electronics

CHMI PVT LTD (Feb 2023-Dec 2023)

- Led a team to design and troubleshoot electronic systems.
- Enhanced device performance through precise diagnostics and microsoldering.
- Conducted training sessions on interfacing modules and components.

Electronics Technician

Vedant Electronics (2017-2021)

- Proficiently handled components like transistors, MOSFETs, and operational amplifiers.
- Designed circuits and performed advanced troubleshooting to restore functionality.
- Demonstrated proficiency in handling electronic components, transistors MOSFETs, and operational amplifiers.
- Conducted thorough troubleshooting and debugging of electronic devices, identifying and rectifying issues effectively.
- Specialized in micro soldering for precise and intricate repairs, ensuring optimal functionality.
- Maintained accurate records of repairs and recommended improvements for enhanced device performance.

INTEREST

- Advancing proficiency in Python, C++ and C#
- Exploring IoT and embedded systems