AKSHAY SIDRAL

+919021481023 ◇ Pune, Maharashtra
akshaysidral2003@gmail.com ◇ linkedin.com/akshay-sidral

OBJECTIVE

I would like to utilize my knowledge and explore myself more efficiently and effectively in the industry. My goal also includes learning new technologies that will be introduced in the upcoming years and contributing my best skills to the company.

EDUCATION

Bachelor of Technology, *MIT Academy of Engineering Pune* — Expected Jun 2024
Electronics and Tele-Communication — -

Diploma, Government Polytechnic Solapur — 2018 - 2021
Electronics and Tele-Communication — 90.96

SKILLS

Languages	C, Embedded C, Python
Micro-controllers	ESP32, ESP8266, Atmega328p, Atmega8, STM32, PIC18F4550
Protocols	I2S, I2C, SPI, UART, HTTP
Other	Internet of Things, Power Electronics, Digital Electronics, FreeRTOS, PCB Design

EXPERIENCE

Embedded Software Intern — Jan 2024 - Present
ioGenies Solutions — *Pune, Maharashtra*

- Design and develop a basic speaker which can be configured as E-Bell, reminder speaker, music player.
- I2S (Inter-IC Sound) Protocol, Espressif IDE, ESP32, SD card, RTC, HTTP, KiCad. These technologies are used in the system.

Embedded Software Intern — Jun 2023 - Aug 2023
Klug Avalon Mechatronics Pvt Ltd — *Pune, Maharashtra*

- Design and develop a system to parse incoming data on serial port and display on screen.
- It can modify the settings through the display only.
- Whole system developed on linux.

PROJECTS

Women Safety Device. Developed a device by which user can send an emergency message with there live location and make a missed call by simply pressing a button which is mounted on a device. User can change contact number using bluetooth application.

Smart Energy Meter. Developed a device which continuously monitors the AC load and calculate the parameters such as power, units and bill. User can get the information via SMS.

Solar Cleaning Robot. Using the mobile application user can control the robot via Bluetooth. A pump is attached to control the flow of water and also attached a wiper on the back of robot to clear the solar.

CERTIFICATES

- Completed 12 weeks of NPTEL Course on Embedded System Design with Arm completed with 70%.
- Microchip University: Serial Communications (I2C/SPI/UART) Protocol. — Dec 2023