

# Akshay Kadam

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## profile

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**Proactive Electronics and Telecommunication Engineering graduate skilled in embedded systems, microcontrollers, and IoT. Proficient in C and C++, with knowledge in firmware development and hardware-software integration. Seeking a role as an embedded software developer to contribute technical expertise in cutting-edge projects.**

## Professional Experience

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| <b>Embedded Trainee</b> , Technoscript<br>Projects on STM and PIC ECU with IOT.   | 2023 – 2024   Pune, India |
| <b>Embedded Engineer</b> , AEM Semiconductor Manufacturing<br>worked as a trainee in embedded hardware and software tester and data calibration | 2021 – 2022   Singapore   |
| <b>Network Test Engineer</b> , Marquistech<br>Tested some parameters for 4G and 5G networks in different areas.                                 | 2020 – 2021   Singapore   |

## Education

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| <b>Master of business administration(MBA)</b> ,<br>University of the west of Scotland | 2019 – 2020   Singapore |
| <b>Electronics and telecommunication engineering</b> ,<br>University of Pune          | 2014 – 2018   Pune      |

## Skills

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### Technical and Soft Skills

Programming language: C | C++ | Embedded C.  
Microcontrollers: PIC18F4580 | STM32F407G  
|NodeMCU(ESP8266)  
Software tools: IDEs such as MPLAB | STM32CUBE  
Communication protocol (UART, I2C,SPI and CAN)

## Project

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### Electric bike speed controller

Objective: Developed an STM32-based system for precise electric bike speed controller  
Components: STM32, BLDC motor, Motor driver, Throttle, LCD display.  
STM32: Selected for its powerful processing capabilities and efficient PWM generation and real time performance.  
Working: Potentiometer for input,STM32 controls BLDC motor via PWM,LCD displays its speed and status.  
Overview: Implemented PWM motor control with real-time LCD feedback and optimized firmware.

## Courses

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| <b>advance career track in embedded system</b> , Technoscript <ul style="list-style-type: none"><li>• Comprehensive 6-months program with hands on practical experience.</li><li>• learning to program PIC18,STM32 Microcontrollers for various application.</li><li>• Gaining expertise in interfacing peripherals and sensors with microcontrollers and data acquisition.</li></ul> | 2024   Pune |
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