

[Full Name]

[Address, City, State, Zip]

[Phone Number] | [Email Address]

[LinkedIn Profile URL] | [GitHub/Portfolio URL]

[Date]

[Hiring Manager Name]

[Company Name]

[Company Address]

Dear [Hiring Manager Name],

I am writing to express my interest in the Entry Level Embedded Systems Engineer position at [Company Name], as advertised on [Platform/Source]. As a recent graduate with a [Degree Type] in [Electrical Engineering/Computer Science/Related Field] from [University Name], I am eager to apply my academic foundation in firmware development and hardware-software integration to your engineering team.

During my academic career, I focused extensively on [Specific Area, e.g., Microcontroller Architecture, RTOS, or Digital Signal Processing]. For my senior design project, I developed a [Project Name], where I utilized [Specific MCU, e.g., STM32, ESP32, or AVR] and programmed in [C/C++]. This experience allowed me to gain hands-on proficiency in debugging via [JTAG/SWD], interfacing protocols such as [I2C, SPI, UART], and optimizing code for constrained environments.

In addition to my technical coursework, I completed an internship at [Previous Company/Organization] where I [Briefly describe a key achievement, e.g., assisted in driver development or performed hardware-in-the-loop testing]. I am particularly drawn to [Company Name] because of your recent work in [Specific Company Project or Industry Sector], and I am confident that my problem-solving skills and technical background align with your requirements.

I have attached my resume for your review and look forward to the possibility of discussing how my skills in embedded development can contribute to the continued success of [Company Name]. Thank you for your time and consideration.

Sincerely,

[Full Name]