

[Your Full Name]

[Phone Number] | [Email Address] | [LinkedIn/Portfolio Link]
[City, State, Zip Code]

[Date]

[Hiring Manager Name]
[Company Name]
[Company Address]

Re: [Job Title / Reference Code]

Dear [Hiring Manager Name/Team],

I am writing to express my interest in the *[Specific Position]* role at *[Company Name]*. With a background in *[Electrical Engineering/Physics/Mathematics]* and specialized experience in digital signal processing (DSP) and statistical modeling, I am eager to apply my technical expertise to your data science team.

Throughout my career, I have focused on the intersection of time-series analysis and machine learning. I have extensive experience in:

- **Feature Engineering:** Transforming raw sensor data using Fourier Transforms (FFT), Wavelets, and spectral density estimation to improve model accuracy.
- **Algorithm Development:** Designing adaptive filters and noise reduction protocols for *[Audio/Biometric/RF/Telemetric]* datasets.
- **Statistical Learning:** Deploying *[CNNs/RNNs/LSTMs]* specifically optimized for sequential data and pattern recognition.
- **Implementation:** Developing production-ready code in Python (NumPy, SciPy, PyTorch) and *[C++/MATLAB]*.

I am particularly drawn to *[Company Name]*'s work in *[Specific Project or Field]*. My ability to bridge the gap between hardware-level signal acquisition and high-level predictive analytics allows me to extract actionable insights from complex, high-frequency data streams.

Thank you for your time and consideration. I look forward to discussing how my technical toolkit in signal processing can support the data initiatives at *[Company Name]*.

Sincerely,

[Your Full Name]