

[Today's Date: January 16, 2025]

Hiring Manager

Electra

Dear Hiring Manager,

I am writing to express my enthusiasm for the 2025 Summer Intern, Full Stack Software Engineer position at Electra. With a strong academic background in Computer Science and hands-on experience in software engineering, particularly in Python and Machine Learning, I am excited about the opportunity to contribute to your team and engage with Electra's innovative projects.

During my previous role as a Software Engineer at Dell Technologies, I architected and developed a SaaS-based device management system using a microservices framework. This position allowed me to deepen my programming skills in Python and implement CI/CD pipelines, enhancing deployment frequency and efficiency. Furthermore, my experience with machine learning was showcased in my research paper on Cardiovascular Disease Prediction, where I utilized the Random Forest algorithm to achieve an accuracy of 80%. This research has cultivated my analytical and quantitative skills, which I am eager to apply to Electra's ambitious goals.

My project, FashionMoodboard.AI, highlights my ability to integrate advanced technologies, as I leveraged Google Cloud's computer vision and OpenAI's models to deliver personalized user experiences. This experience not only sharpened my technical acumen across various programming languages and frameworks—including React JS, NodeJS, and Firebase—but also fueled my passion for creating impactful solutions that enhance user engagement.

I am particularly drawn to Electra's mission of pushing the boundaries of technology and fostering an environment for innovation. I am eager to contribute my skills in Python and machine learning to help drive forward-thinking projects at your company. Collaborating with your talented team will not only provide me with invaluable experience but also allow me to contribute meaningfully to your vision.

Thank you for considering my application. I would love the opportunity to discuss how I can further contribute to Electra's projects and goals. I am looking forward to the possibility of an interview and can be reached at daipayanh@gmail.com or by phone at 15108268530.

Thank you for your time and consideration.

Sincerely,

Daipayan Hati

[LinkedIn](https://www.linkedin.com/in/daipayan-hati/) | [GitHub](https://github.com/Neilketchum) | [Personal Website](https://daipayanhati.com/)