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Date: 29th June 2025

Hiring Manager
GE Vernova Electrification Software

Subject: Application for Software Engineer – Testing

Dear Hiring Manager,

I am writing to express my interest in the Software Engineer – Testing position at GE Vernova Electrification Software. With a Bachelor's degree in Computer Science from VIT and hands-on experience in building scalable, testable systems across AI pipelines and full-stack applications, I am excited to contribute to GE Vernova's mission of accelerating electrification and decarbonization.

In my previous role as a **Software Developer Intern at algoleap**, I developed a modular AI pipeline that reduced manual video review time by 70% using test-driven development practices and unit/integration testing. I have experience using **code coverage tools** to ensure robust test coverage and am comfortable with frameworks like **FastAPI, Node.js, and React**, aligned with modern SDLC methodologies, including Agile and CI/CD pipelines.

As the **founder of nahneed.**, I have led end-to-end development of user-facing products, emphasizing clean, maintainable, and well-tested code while managing deployments that serve 50+ active users. Through these projects, I have developed an understanding of **core data structures and algorithms**, performance testing, and writing **automated test scripts** to ensure system reliability.

GE Vernova's focus on creating intelligent applications for a sustainable energy future aligns with my motivation to build systems that matter. I am eager to bring my technical skills, testing mindset, and adaptability to contribute effectively to your team, ensuring that your software solutions meet high-quality standards for your customers.

Thank you for considering my application. I look forward to the possibility of contributing to GE Vernova's impactful initiatives.

Best regards,
Aradhye Swarup