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Hiring Manager
GE Vernova Electrification Software

Subject: Application for Software Engineer – Applications

Dear Hiring Manager,

I am writing to express my interest in the Software Engineer – Applications role at GE Vernova Electrification Software. With a B.Tech in Computer Science and hands-on experience developing scalable full-stack applications and AI pipelines, I am excited by the opportunity to contribute to your mission of accelerating electrification and decarbonization across the energy ecosystem.

At **algoleap**, I developed an AI pipeline for video content processing using Python and FastAPI, reducing manual review time by 70% while ensuring modular, scalable design. As **founder of nahneed.**, I led the end-to-end development of *blurt*., a chat-based news platform using **Next.js, Node.js, and React**, scaling to 50+ users with consistent reliability. I have experience **building APIs, writing efficient database queries, and designing features with SDLC best practices**, including Agile and CI workflows.

My projects, such as **Echoid (a real-time voice cloning platform)** and **Fortify (a Solidity IDE with real-time vulnerability checks)**, demonstrate my focus on performance optimization, user-centered design, and building systems aligned with product value. I have experience using **JavaScript, TypeScript, Python, and Node.js** with React-based frontends and REST/GraphQL APIs, and I am comfortable implementing core data structures and algorithms to deliver performant applications.

I am inspired by GE Vernova's commitment to sustainability and its vision to orchestrate a reliable, affordable, and decarbonized energy grid. I look forward to applying my technical expertise, problem-solving mindset, and dedication to clean, testable, and maintainable code to contribute to GE Vernova's impactful initiatives.

Thank you for considering my application. I look forward to the opportunity to discuss how my skills and experiences align with your team's needs.

Best regards,
Aradhye Swarup