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Mr. Wajid Hassan
LogicFinder / NetworkFort

Dear Mr. Wajid,

I am excited to apply for the Software Engineer position within one of your esteemed companies. With a strong educational background and extensive hands-on experience in software engineering, I am confident in my ability to contribute effectively to your team.

My role as a Graduate Research Assistant at the University of Guelph has provided me with invaluable experience in developing and implementing advanced software solutions. I implemented semantic communication techniques that significantly reduced edge-to-cloud latency by up to 30%, and I implemented transformer-based models to enhance data relevance and network efficiency. These accomplishments were recognized through a publication in IEEE CCECE 2024.

As an Undergraduate Research Assistant and Software Developer at the University of Guelph's Robotics Institute, I contributed to several high-impact projects. I developed and optimized circuitry and code for automated systems, enhanced mobile app communication using React Native for iOS and Android, and wrote ROS libraries in Python and C++ for a feeding robot system. Additionally, I Dockerized ROS packages to resolve conflicts and improve system communication, and I successfully migrated a Python system to ROS, optimizing node interactions and data flow.

My technical expertise is complemented by my ability to manage complex projects. I led the development of a real-time text-to-braille converter, a dynamic noise-cancelling system using reinforcement learning, and a urine test readout automation software. These projects required me to collaborate with diverse teams, demonstrate creativity, and apply advanced technical knowledge.

I am impressed by the innovative work at your companies and am eager to contribute my background in software engineering and problem-solving abilities. I am confident my skills and experience will be valuable to your team.

Thank you for considering my application. I look forward to the opportunity to discuss how my background and skills can contribute to the success of your team. Please feel free to contact me at your earliest convenience to schedule an interview.

Sincerely,

Murtadha Saeed Nisyif