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To the TCS Hiring Team,

I am writing to express my strong interest in the **TCS Prime** role. As a B.Tech student in Computer Science at Vellore Institute of Technology, I am passionate about developing cutting-edge software solutions and applying my technical skills to real-world challenges. With a solid foundation in software development and a deep interest in emerging technologies, I am excited about the opportunity to contribute to TCS's ongoing success and innovation.

I have gained proficiency in programming languages like Java, Python, C, and C++, and have hands-on experience with frameworks such as TensorFlow, PyTorch, and Scikit-learn. Through projects like **Water Quality Analysis using Intel oneAPI** and **AGROBOT – Plant Disease Detection**, I have developed a strong problem-solving mindset and the ability to create scalable, efficient software solutions using machine learning and data-driven approaches.

During my tenure at **Astute AI**, I led a team in developing state-of-the-art chatbot systems using large language models (LLMs) like LLAMA and Mistral, successfully reducing response latency by 20%. Additionally, I built a **Retrieval-Augmented Generation (RAG)** system that improved the relevance of chatbot responses, further honing my expertise in AI and NLP systems. These projects allowed me to refine my leadership, communication, and software development skills—qualities I am eager to apply at TCS.

As the Finance Head of the **IEEE Robotics and Automation Society**, I helped increase event funding by 40%, demonstrating my ability to manage resources effectively and collaborate across teams. I have also participated in national-level hackathons, where I demonstrated my creativity and technical problem-solving skills, further fueling my passion for innovation.

I am particularly drawn to TCS's emphasis on cutting-edge technology and its inclusive and collaborative work culture. I am confident that my technical background, leadership experiences, and passion for continuous learning make me a strong fit for the **TCS Prime** role. I look forward to the opportunity to contribute to TCS's mission and bring value to your team.

Thank you for considering my application.

Sincerely,
Rahul Gupta