

Shivam Kumar Verma
Warisaliganj Nawada Bihar
Warisaliganj, Bihar, 805130
shivam0xverma@gmail.com

July 1, 2025

Hiring Manager
Tower Research Capital

Dear Hiring Manager,

I am excited to apply for the Software Engineer position at Tower Research Capital. As a pre-final year B.Tech student in Computer Science Engineering at the Indian Institute of Information Technology Nagpur, I bring a strong foundation in algorithms, data structures, and full-stack development, along with a passion for building high-performance software solutions tailored to the demands of the financial services industry.

My academic journey has equipped me with proficiency in C++, Python, JavaScript, and TypeScript, complemented by hands-on experience with tools like Git and Docker. I have developed projects such as DevBytes, a blogging platform built with Next.js, Node.js, and PostgreSQL, and ShortifyAI, an AI-powered short video generation platform, demonstrating my ability to design scalable and efficient systems. Additionally, my competitive programming achievements, including solving over 500 problems on Codeforces and 300 on CodeChef, highlight my strong problem-solving skills and expertise in optimizing algorithms.

Tower Research Capital's leadership in high-frequency trading and commitment to technological innovation deeply resonate with me. I am eager to contribute my skills in low-latency system design and data-intensive applications to support your mission of delivering cutting-edge financial solutions. My coursework in Data Structures, Algorithms, and Computer Networks, combined with practical project experience, positions me to excel in this role.

Thank you for considering my application. I am enthusiastic about the opportunity to contribute to Tower Research Capital and would welcome the chance to discuss how my skills and experiences align with your team's goals.

Sincerely,
Shivam Kumar Verma