AMAN ZAVERI

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Dear Hiring Manager,

I am writing to express my enthusiastic interest in the Software Engineering/Researcher Intern - 3D Vision position at dConstruct Robotics, as advertised. Your company's focus on cutting-edge AI and robotics deeply resonates with my passion for developing innovative solutions in the field of computer vision. I am particularly excited by the opportunity to contribute to your 3D reconstruction projects.

My background aligns exceptionally well with the requirements outlined in the job description. For instance, I have hands-on experience in developing and optimizing algorithms, directly applicable to your needs. Specifically, I architected a route-aware fuel optimization widget in Kotlin + Java using a graph-ranking engine, boosting recommendation accuracy by 40% for in-vehicle navigation. This project honed my skills in algorithm development, which I believe would translate well to your 3D reconstruction pipeline. Furthermore, I am proficient in Python and familiar with PyTorch, crucial skills highlighted in the job description.

Beyond my technical skills, I bring a collaborative mindset and a proven ability to deliver impactful results. I successfully designed a multi-agent LLM system for resume job alignment, improving match accuracy by 60%. My experience in analyzing and identifying bottlenecks, as well as my commitment to collaborating within a team, would enable me to quickly contribute to dConstruct Robotics'projects. I am confident that I can make a valuable contribution to your team.

I am eager to contribute to dConstruct Robotics and am excited about the opportunity to learn from industry experts. Thank you for your time and consideration.

Aman Zaveri