

Dear Hiring Manager,

I am writing to express my interest in the Mechanical Engineering role within your organization. As a highly motivated and hands-on Mechanical Engineering graduate from California State University, Northridge, I bring a strong foundation in engineering principles paired with a deep passion for delivering results in the AEC industry. My background in construction engineering, research, and technical design has equipped me with the ability to see the big picture, align my work with organizational goals, and follow through with persistence and consistency.

In my role as a Construction Project Engineer, I reviewed submittals, RFCs, plans, and specifications to ensure projects progressed smoothly and met all requirements. I reported regular status updates to project managers, maintained positive working relationships with multidisciplinary teams, and supported project delivery in-office. This experience strengthened my ability to work independently under proper oversight, prioritize tasks in fast-paced environments, and take ownership of my contributions from start to finish.

My academic and professional journey includes impactful projects such as a sensor-assisted automated plant system, an optimized water bottle design, and a smart morphing wing prototype inspired by bio-aerodynamics. My research on probabilistic risk assessments and human reliability analysis further honed my analytical and modeling skills. I am proficient in CAD, FEA, CFD, and LabVIEW sensor programming, with additional experience in MATLAB, Microsoft Office, and collaborative problem-solving.

I am deeply passionate about engineering in the AEC space and thrive on contributing to innovative, client-focused solutions. I value teamwork, innovation, and growth, and I am

confident my technical background, persistence, and ability to maintain strong relationships with both internal and external partners will make me a valuable asset to your team.

Thank you for your time and consideration. I look forward to the opportunity to discuss how I can contribute to your vision and support your project goals.

Sincerely,

Harmandeep Gill