

Anaya Patel

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Dear Hiring Manager,

I am excited to apply for the Mechanical Engineer position with MWH to support the construction of the Water Treatment Plant in the greater Portland area. As a recent graduate from **Oregon Institute of Technology's Mechanical Engineering program**, I am eager to contribute to a project that will have a lasting impact on the Portland community. Your mission to build critical water infrastructure aligns perfectly with my passion for engineering solutions that improve lives and promote sustainability.

Through my coursework and senior capstone project, I have developed strong skills in **mechanical design, simulation, and quality testing** that align with the responsibilities of this role. For my capstone, I collaborated in an Agile team designing and prototype a portable water filtration pump intended for off-grid and emergency environments. My work included modeling components in SolidWorks, conducting stress analysis in ANSYS to verify durability, and selecting corrosion-resistant materials to meet performance requirements. I also oversaw the **testing and verification of the prototype, achieving a 95% filtration rate**, which taught me the importance of rigorous quality control and reliability—principles that are essential when overseeing installations and ensuring compliance with specifications on large-scale infrastructure projects.

Beyond technical skills, I bring strong **coordination and communication abilities**. As Class Representative for the Associated Students of Oregon Tech, I regularly collaborated with diverse stakeholders to organize initiatives, present proposals, and gather feedback for decision-making. These experiences mirror the teamwork and collaboration required to **coordinate with construction teams, subcontractors, and vendors** to ensure successful project delivery.

I am excited by the opportunity to contribute to MWH's mission to Build a Better World while developing my expertise in water infrastructure projects. I am confident that my technical foundation, attention to quality, and collaborative approach will allow me to make a meaningful impact on your team.

Thank you for considering my application. I would welcome the opportunity to discuss how my experience and enthusiasm align with the goals of this historic water treatment project.

Sincerely,

Anaya Patel

WHY THIS WORKS

- Used appropriate formatting including a heading that matches their resume, and a formal greeting, closing, and signature.
- They started the letter using 'Dear Hiring Manager' instead of something more general like 'Sir or Madam'. If you can address it to the hiring manager by name, it is even better.
- Described an experience directly targeted to the job description while highlighting their positive contribution to the project.
- Highlighted their knowledge of the company and its mission.