

Exponent®
Engineering & Scientific Consulting

Ali Hasanain

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Professional Profile

Mr. Hasanain is an Analyst at Exponent who received a bachelor's degree from the University of California, Davis, in Mechanical Engineering. He has experience with transmission line inspections, low-pressure regulation in gas distribution lines, and business case development for overhead distribution line replacement.

Additionally, Mr. Hasanain has experience in the design of HVAC systems for small- to mid-sized buildings as well as in using business valuation models to determine the fair market value of a business. His academic experience includes the study of thermodynamics, fluid mechanics, modeling of mechatronic systems with bond graphs, and mechanical design. Prior to joining Exponent, Mr. Hasanain led and managed a team that designed and built a 3-D printed proof of concept for a centrifugal water pump that was powered by a bicycle, to be ultimately used to irrigate the fields of small-scale farmers in Kenya and beyond.

Academic Credentials & Professional Honors

B.S., Mechanical Engineering, University of Calicut, India, 2019

Languages

Latin

Ancient Greek

Urdu

Project Experience

Oversaw the daily tracking and reporting of a large-scale transmission line inspection process with over 50,000 structures and multiple modes of inspection.

Coordinated and enforced the completion schedule for the approval, testing, and implementation of mitigating and managing the risk of a low-pressure regulator in gas distribution lines.

Managed the team coordination, changing expectations, and timely delivery of electrical incident reports.

Drafted and ensured the approval of high-priority business cases for overhead distribution line replacement projects.

Created templates for obsolete programmable logic controllers gas facilities to be logged into a database as part of the change management process.

Assisted in creating an automated tool for coordination between project managers and estimators to minimize project schedule delays.