

**Pinak Bhuban**  
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17<sup>th</sup> March 2021

Dear Ms./Mrs. Hiring Manager:

I am writing to express my interest in the Engineering Intern position at your company. After coming across the job opening list on LinkedIn, I feel that my academic experience as a Mechanical Engineering major at Texas Tech and proven work experience of being a student researcher in Fusion energy technology make me a strong candidate for this role.

I am particularly interested in Engineering intern position because of the team-oriented and hands-on nature of the work as detailed in the job description. I have been part of a research project on building a reactor that operates on the principle of Fusion Technology, which gives me on hand experience of working in the energy sector. I had hands on experience with manufacturing, machining, and doing research to make an efficient Fusion Energy system. The opportunity to learn from the different perspectives and expertise of professors, scientist and technicians at each phase was especially rewarding, and I appreciate that diversity and teamwork are also an integral part of your company's mission.

Regarding technical skills, I am confident that my experience with 3D modelling and manufacturing/2D drawing using AutoCAD, Inventor, SOLIDWORKS, FEA using Ansys, MS Office Tools (Excel, PowerPoint, Word, Access), Machine components design and materials science, with GD&T, Electrical design and circuit components (servo motors, transistors, capacitors), engineering fundamentals in Solid Mechanics, Fluid Mechanics, Thermodynamics, Heat Transfer, dynamics and vibrating bodies, proficient machining, using mill machine, lathe machine, general use machining tools, high voltage equipment, ultra-high vacuum, doing material analysis for efficient process or being involved in both the design and manufacturing processes would translate well to this role. I'm willing to relocate, going where the job goes and ready to start my internship from May 12, 2022.

Thank you again for your consideration of my resume and application for this role. I am confident that my skills and abilities would be a good fit, and I would be more than happy to provide more detail and answer any questions you might have. Please feel free to contact me at (806) 281 2178 or at [Pinak.Bhuban@ttu.edu](mailto:Pinak.Bhuban@ttu.edu) at any time.

Sincerely,

Pinak Bhuban