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B.S. in Mechanical Engineering, Anna University, India (2011)

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Describe your overall duties/responsibilities as a Scientist:

I am a scientist in the computational physics and methods group, where my research efforts are to develop robust machine learning algorithms for physics & engineering applications. Part of my job involves mentoring and collaborating with students for a research career.

Explain the skills/abilities that are required for being successful in your role:

In my opinion, the key skills are perseverance and confidence in yourself that ****you can do this****. Research is both an intellectually fulfilling and challenging path. It's important not to give up and keep pushing!

What advice would you give to students who are considering majoring in Aerospace Engineering?

I studied Aerospace Engineering, but my research is at the intersection of machine learning, applied mathematics and physics. My two cents: No matter what your major is, you will pick up several skills that are broadly relevant and valuable. Don't be afraid to explore outside your major as long as you enjoy it and have the intention to contribute something meaningful. The world of science and engineering is extremely broad for you to be restricted to one domain.

