Apoorv Pandey

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EDUCATION

North Carolina State University **May 2027**
Master of Mechanical Engineering *Raleigh, NC*

SRM Institute of Science and Technology **May 2022**
Bachelor of Technology in Mechanical Engineering
Minor Specialization in Management *Chennai,TN*

SKILLS & CERTIFICATIONS

Programming: Python,MATLAB

Course Work: Engineering Design Optimization, FEA, ML for Engineers

Software Skills: Ansys fluent, CATIA V5, Solidworks, NX, AutoCad, Fusion 360

Languages: English (fluent), Hindi (fluent), Japanese (Conversational)

Certifications: Yoga, NASM CPT

PROFESSIONAL EXPERIENCE

Honda Cars India Ltd **Greater Noida**
Associate Manager *2022 – 2024*
- Reduced project delays by 15% by streamlining DWG documentation and supplier coordination.
- Led cross-functional teams to launch new floor carpet & switch models, boosting customer satisfaction
- Ensured compliance via rigorous specification checks and corrective actions.

Fix Health **Remote**
[Intern/Sales Executive] *Jan-2022 –May-2022*

- Achieved 7.5% MoM revenue growth through targeted enterprise sales campaigns.
- Closed multi-stakeholder deals, improving profit margins by 5%.

WellRec Center @ NCSU **Raleigh, NC**
Group Fitness Instructor/Personal Trainer *Sept-2025 –Present*

- Instructed a group of 15 participants in a 45-minute yoga class, guiding diverse individuals through a structured session to promote physical and mental well-being.

RESEARCH EXPERIENCE

SRM Institute of Science and Technology **Chennai**
Biomimetic Scaffold Design *2022*

- Designed & 3D-printed ABS scaffolds; performed FEA in ANSYS; validated results through testing.
- Designed and 3D-printed six types of ABS scaffolds (Offset Double Rod and Single Rod, spacing 1–4.7 mm)

SRM Institute of Science and Technology **Chennai**
Friction Stir Processing of Polymer Composite *2022*

- Developed PLA-Basalt composites with graphene; enhanced thermal & mechanical properties for biomedical use.
- Designed and developed PLA and Basalt plates with graphene integration using Friction Stir Processing (FSP) to enhance mechanical and thermal properties for biomedical applications.

Interests: I am passionate about practicing yoga and fitness, with a commitment to inspiring others to lead active, healthy lifestyles.