

Aditya Ponugupaty

Mech. Engineering Undergraduate

Self-motivated, hard-working Mechanical Engineering undergraduate student with broad foundation in engineering principles. Seeking position in the bioengineering industry through proven strengths in testing, manufacturing, bilingualism, creativity, collaboration, and taking criticism.

Education

2016-01 - Current **Bachelor of Science: Mechanical Engineering**

Northern Arizona University - Flagstaff, AZ

- Member of Indian Association of Northern Arizona (IANA)

Relevant Experience

2022-01 - Current **Bioengineering Research Assistant**

Bioengineering Devices Lab (BDL), Flagstaff, Arizona

- Gathered, arranged and corrected research data to create representative graphs and charts highlighting results for presentations.
- Created pressure transducer for in-vitro flow model system to properly calibrate pressures inside system using OEM components
- Designing storage system for microcatheters to help keep the lab clean and more productive during testing process.

2018-10 - 2019-02 **Manufacturing and Customer Acquisition**

E-Nable, Flagstaff, Arizona

- Built personalized 3-D printed models for children with disabilities
- Played a key role in acquiring customers and spreading the news about the innovative design.

Contact

Address

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Software

Microsoft Office
Applications

Solidworks

LabVIEW

MATLAB

GrabCAD

Skills

Engineering design

Coding

Programming

Robotics

Maintenance and Repair of
hardware

Languages

Projects

Mechanical Properties of an In-Vitro Vessel Model

- Analyzed, Designed and 3-D printed an in-vitro vessel model
- Have matched to about 50% of human vascular mechanical properties and can act the same under static and dynamic loads
- Can show deployment of relevant medical devices with proper imaging

Telugu - Native

English - Fluent

German - Elementary

Hindi - Conversant

Tamil - Conversant