

EDUCATION

Master of Science in Additive Manufacturing and Design (Dropped)
The Pennsylvania State University (PSU)

January 2022*

B. Tech in Production Engineering
Vishwakarma Institute of Technology (VIT)

October 2020

INTERNSHIPS

Intern, Forbes Marshall Private Limited

Jan 2020-June 2020

-A multinational Engineering company specializing in steam engineering and control instrumentation

- Coordinated the product manager in performance and quality testing of newly developed thermostatic steam trap prototypes

Intern, Khethworks Private Limited

Jun 2019-Aug 2019

-A startup designing efficient & portable solar-powered irrigation systems with a workforce of 7 employees

- Designed, manufactured & tested design concepts to carry and mount solar panel on the fields; ensured solar tracking using appropriate simple mechanisms inspired by real-life ideas
- Coordinated the design engineer in solar pump testing activities such as assembling/disassembling and changing the pump parts, noting down readings of testing the prototypes, coordinating with vendors for manufacturing activities etc.
- Carried quality checks of 3D printed prototypes of the pump volute by checking dimensions & inner surface finish for ensuring smooth water flow

Trainee & Intern, ELEATION CAE

Jun 2019

-An Automobile, Civil & Aerospace Engineering service company with more than 600+ customers

- Learnt ANSYS and analyzed a problem with trolley wheel bracket using ANSYS
- Prepared and submitted a report on conclusions obtained from software to determine best among given materials to manufacture and which part of the bracket would experience the highest loads and vibrations

Trainee, Baker Gauges India Private Limited (BMI Division)

May 2018-Jul 2018

-A linear dimensional measuring solutions company with annual turnover of USD 25M

- Studied manufacturing of 4-dial gauges & bore gauges
- Gained hands-on experience in heat treatment techniques like annealing, hardening, tempering, sand blasting, blackodising and assembly & testing of parts such as small gears, pinions, housing of the dial gauges and bore gauges

Trainee & Intern, Experiential Robotics Summer Internship, Robotics Forum, VIT Jun 2017-Jul 2017

- Learnt concepts regarding programming, microcontrollers, hardware & software required to design PCBs
- Tested old PCBs and circuits and provided them to other sections of the electronics team for use in their mechanisms
- Developed circuits based on logic required and requirements of sections in the electronics team

PART-TIME ON-CAMPUS JOBS DONE AT PSU

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| • Dining Room Attendant at The Penn Stater Hotel & Conference Center | Aug 2021-Jan 2022 |
| • Auxiliary Officer at Penn State University Police | Dec 2020-Jan 2022 |
| • Store Employee at Penn State Berkey Creamery | Apr 2021-July 2021 |
| • Graduate Research Assistant at Dr. Amrita Basak 3-D Printing lab | Jan 2021-Apr 2021 |
| • Housing Concierge at Penn State Isolation/Quarantine Housing | Oct 2020-Mar 2021 |
| • Food Preparation Worker at Mc. Alister's Deli | Sep 2020-Oct 2020 |

TECHNICAL SKILLS: Microsoft Office Suite Apps, AutoCAD, ANSYS, SolidWorks, C++, Python

SOME RELEVANT SKILLS: Complex problem solver; Proficient communicator; Experience of customer service; Efficient Decision Maker; Excellent analytical skills; Patient listener