

Priyansu Tank

starDust ✨ | Being different, doing different | Limitless
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SUMMARY

Finding an opportunity to work on global collaborations working in aerospace industry to contribute in the development of sheer technologies.

LINKS

LinkedIn:// [pbtank](#)
Github:// [pbtank](#)
Twitter:// [@PriyansuTank](#)

COURSEWORK

GRADUATE

Engineering Mathematics
Advanced Thermal & Fluid Engineering
CAD /CAM & Automation
Production Technologies
(*Professional Electives*)
Gas Dynamics
Advanced Heat Transfer

DIPLOMA

Engineering Graphics
Material Science
Basic Thermal & Fluid Engineering
CAD /CAM Technologies
Theory of Machine & Machine Design
Manufacturing Engineering
(*Advanced Course*)
Thermal & Power Plant Systems

SKILLS

TOOLS

Worked:
Siemens NX • AutoCAD • OpenFOAM

PROGRAMMING

Familiar:
JAVA • JavaScript • Python • \LaTeX

PRODUCTION

Worked:
VMCs • Mills • Lathes

AWARDS

2021 | State
Finalist of Smart Gujarat Hackathon 2020.
2018 | Department
Award for Academic Excellence.
2014 | 3rd in School
Bronze Medalist, TATA Buildings Essay Competition.

EDUCATION

VISHWAKARMA GOVERNMENT ENGINEERING COLLEGE

BE IN MECHANICAL ENGINEERING
July 2022 | Ahmedabad, Gujarat
CGPA: 9.22 / 10.0

GOVERNMENT POLYTECHNIC RAJKOT

DIPLOMA IN MECHANICAL ENGINEERING
July 2019 | Rajkot, Gujarat
CGPA: 9.64 / 10.0

PROJECTS

FEASIBILITY OF OUTER SPACE POWER | DESIGN ENGG., BE

June 2014 – Sep 2014 | VGEC, A'bad

- Explored feasibility of different power cycles for powering LEO satellites.
- Analysed parabolic solar collector as a feasible solution.

DESIGN OF CD ROCKET NOZZLE | FINAL YEAR, BE

June 2021 – July 2021 | VGEC, A'bad

- Focused on design and validation of a supersonic rocket nozzle based on the method of characteristics.
- Design validated using CFD toolbox OpenFOAM.

VALUE STREAM MAPPING | FINAL YEAR, BE

July 2021 – Aug 2021 | Smart Gujarat Hackathon 2020, A'bad

- Mapping of **P. Parmar Drill Machine, Bhavnagar** was done for inventory optimization.
- Team selected for **final round of Smart Gujarat Hackathon 2020** under Govt. of Gujarat.

INTERNSHIP

PHYSICAL RESEARCH LABORATORY | PROJECT INTERN

Jan 2022 – Jul 2022 | Ahmedabad, Gujarat
Worked under **Kapil Kumar Bharadwaj, Scientist/Engineer, Astronomy & Astrophysics Division, PRL** on the structural testing and data analysis of PRL 2.5m telescope pier at Mt. Abu Observatory.

CO-CURRICULAR

MESA | VICE PRESIDENT, BE

May 2021 - Present | VGEC, A'bad
Formed a students' association with department colleagues. Arranged various **workshops and technical activities** to enhance skills of students. Managed planning of activities and **mentored group** of students.

IEI STUDENTS' CHAPTER | VOLUNTEER, BE

April 2020 - Present | VGEC, A'bad
Worked in back end for registration process and poster designing. Managed students' data for event evaluation.

INTERESTS

Aerospace & Astronautics • Satellite Trajectory Prediction •
Amateur Satellite Communication • Rocket Propulsion • Astronomy