



PAIDA MANISHARAN

B-Tech – Production Engineering

Gender: Male

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Educational Qualification

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2019-Present	B-Tech - PROD	NIT, Trichy	8.41
2019	Class XII, XI	Trinity junior college, Karimnagar, Telangana (Telangana State Board of Intermediate Education)	97.9%
2017	Class X	Trinity Model Secondary School, Peddapalli, Telangana (Board of Secondary Education)	10

Academic Achievements

- 23rd National Mathematics Talent Search Competition – 2012:** Received certificate for getting best rank in examination.
- NSTSE - National level Science Talent Search Examination – 2014:** Received certificate for getting best rank in examination.
- Certificate of merit:** Given by “Telangana Rashtra Arya Vysya Mahasabha” for getting 10 GPA in 10th class.
- Manisharan P, Dinesh G, Uma Sheetal B, Vamsi B,** "Performing finite element compression testing on sorbothane and CFRP based sandwiched composites - applications for shoe insoles", Virtual international conference on product design, development, and deployment (PD3-2021) conference proceedings, VIT Vellore.

Internship Experience

- Internship training at National Small Industries Corporation (NSIC):** June 2021
National Small Industries Corporation (NSIC), is an ISO 9001:2015 certified Government of India Enterprise under Ministry of Micro, Small and Medium Enterprises (MSME). This is a two-week internship training programme. The internship includes theoretical knowledge of various prototyping and engineering techniques such as CAD with solid works, DOXBOX for CNC, 3D printing and reverse engineering for product development.
- Computational fluid dynamics for SARS-Cov-2 research: A Prisma based 2 Systematic Literature extraction and summarization:** Jan 2022 – Feb 2022
We conducted systematic literature review to know impact of computational fluid dynamics (CFD) tool during covid-19 times. We harvested last 3 year's literature related to this topic from Databases such as scopus and web of science.

Other Projects

- **FEM investigation of sorbothane based CFRP composites:** *Dec 2021*
Conducted a detailed compression testing on sorbothane based CFRP composites using finite element method (FEM). We used Autodesk fusion 360 for modelling and Simscale - open foam package for FEM investigation.

Technical Skills and Certifications

- Programming Languages : C++, Python
- Engineering Software : Fusion360, On shape, Catia, Autodesk AutoCAD
- Other Software : Microsoft Word, PowerPoint, Excel, Photoshop Graphic design
- Certifications : 3D Printing (Course offered by Siemens COE)
- Campus ambassador for Verzeo: *Mar 2021 – Jun 2021*

Making skills in workshop:

- **Fabrication of UAV:** Fabricated an unmanned aerial vehicle (UAV) – RC aircraft and tested it.
- **Fabrication of Landing gear mechanism:** Fabricated a landing gear mechanism using wooden links and joints with carpentry works.

Positions of Responsibility

- **Deputy Manager, Publicity Manager, Content writer at Akshara:** *Aug 2020 - Present*
Worked as a Deputy manager of Akshara, which is a literature club of NITT. It is an official Telugu literature society of NIT Trichy. As a content writer, the work specifically involves writing content for posts, websites, events, etc. or editing the written content. Conducted many online events. As a part of the publicity team, the work specifically involved making our posts reach various organizations and cultural clubs across India.
- **Website manager at Akshara, a literature club of NIT Tiruchirappalli:** *Aug 2021 - Present*
Worked as a Website manager of Akshara, which is a literature club of NITT. It is an official Telugu literature society of NIT Trichy. As a website manager, the work specifically involves ensure that website is updated as per events and programmes being conducted, design website to such an extent that its User Experience (UX) is good.
- **Coordinator - Publicity Team, Prodigy:** *Oct 2021 - Present*
Worked as a member of the Publicity Team of Prodigy, The National level technical symposium of department of Production engineering, NIT Tiruchirappalli. As part of the work specifically involved in doing publicity for various colleges near NIT Trichy and some colleges in Tamil Nadu.

Extracurricular Activities

Social Activities:

- A member of NATIONAL SERVICE SCHEME (NSS): As part of NSS, the work specifically involves doing social service, participating in plantation of plants. And participated in all activities done by NSS, i.e. Eye check-up camp, surveying families in NITT whether their children took polio drops, etc.
- Donated clothes, food to physically and mentally handicapped people in Peddapalli village, Telangana. (Spoorthi manasika vikalangulu).
- Served food for the needy during the Covid-19 lockdown.

Sport Activities:

- A player of the Agate kabaddi team in **Aaveg'20**, sports and cultural festival of the first years of NIT Tiruchirappalli.
- Secured **3rd** place in kabaddi Men in **Sportsfete'19** the inter department sports fest organized by NIT Tiruchirappalli.
- **State level** fencing player, played for the Karimnagar district in class 11th and 12th.