

DEVASHRI DAUD

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EXPERIENCE

- ❖ **Project Intern | John Deere** (Aug '25 – Oct '25)
Automated verification of 4000+ Excel datasets using Python, improving QA accuracy by 45% and cutting manual time by 70%.
Compared and validated 100+ complex files-built error-detection logic to flag mismatches and auto generate reports.
Defined BMC checklist parameters for pre-delivery inspection, streamlining quality checks.
- ❖ **R&D Intern | Nibe Limited** (Oct '24 – Dec '24)
Researched **Hypersonic missiles** covering aerodynamics, flight dynamics, and thermal materials.
Conducted failure analysis and material reliability studies to enhance component durability under extreme conditions.
Assisted in fixture design of components for the Pinaka missile, optimizing alignment precision by 15% through CAD and simulation tools.
- ❖ **Graphic Design Intern | SSISPL** (Mar '23 – May '23)
Created 20+ visuals, 5+ logos, and E-book covers, enhancing marketing content engagement by 25%.

SKILLS

- ❖ **Technical Skills** – Python, Power BI, Research, Design optimization, Structural analysis, SolidWorks, Catia, Creo, Arduino, MATLAB(Basic), Ansys, HTML, CSS, MS office, Excel, FEA, CFD, Machining, Quality control basics.
- ❖ **Soft Skills** – Leadership, Communication Skills, Problem solving skills, Team Collaboration, Adaptability, Critical thinking.
- ❖ **Languages** – English, Hindi, Marathi, German (Basic).

EDUCATION

- ❖ B. Tech Mechanical | JSPM RSCOE, Tathwade CGPA: 9.12 | (Nov '22 – Jul '26)
- ❖ **Gate AIR** - 15507
- ❖ XII (SSC) | Atal Bihari Vajpayee College 86.67% | 2022
- ❖ X (SSC) | C.T.M.K. Gujarati Vidhyalay Jalna 93.20% | 2020

CONFERENCES / PRESENTATIONS

- ❖ Thesis – Studies on Hypersonic Missile Technology
- ❖ **CMT3 – Paper ID – 326**
Title – Advancements in Noise, Vibration, and Harshness Optimization: Integrating Material Stiffness and Dynamic Analysis in Automotive and Engineering Systems.

ACADEMIC PROJECTS

❖ **Automated Multi Vegetable Transplanter**

Developed a machine to transplant the saplings automatically without any manual intervention. It picks seven saplings at a time from tray and dig into soil at specific row to row and plant to plant distance.

❖ **Food Delivery Drone**

Built a prototype for autonomous food delivery, integrating UAV design, payload management & navigation system.

❖ **Agricultural Drone**

Engineered a drone for spraying liquid repellent to deterring wild animals.

❖ **Window Cleaning Drone**

Designed an autonomous drone for cleaning high-rise windows and solar panels, improving worker safety and reducing maintenance time in urban environments.

❖ **Team Mechagrinnics Website development**

Created a responsive website for team using HTML, CSS and JavaScript, for enhance outreach and engagement.

POSITION OF RESPONSIBILITY

❖ **Technical Head | TIFAN, JSPM**

(2024- Present)

Coordinated with team to developed innovative mechanical solutions to enhance agricultural efficiency and productivity.

❖ **Event Management Head | Team Sambhav, JSPM**

(2024- Present)

Organized Summit, Workshops, Tech and Non tech events, hackathons & conducted sessions for 1000+ college students on various educational, tech topics.

❖ **Captain | Aeroindia ISRO Challenge, JSPM**

(2024- Present)

Led team to Developed ANAV, an autonomous navigating aerial vehicle for Martian terrain in GNSS denied environment

ACHIEVEMENTS

❖ TIFAN Best cost economy award.

❖ 1st Prize in Vasundara Kirloskar.

❖ Runner-up in Inovision 2024.

❖ Altier sponsorship award.

❖ 2nd Prize in college chess competition.

❖ SAEIndia TIFAN Best value engineering award and Best design award.

❖ 50,000 Seed Funding for drone project.

❖ Emerging Innovation Award ARAI Yuvahan 2025 Expo for **windows cleaning drone**.