

Srinath Reddy S

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EXPERIENCE

Garuda Aerospace Pvt Ltd

Navallur, Ch

Agri drone: Manufacturing And Maintenance (Intern)

July 2022 – Sep 2022

- Contributed to projects related to Indian Army drone systems, gaining insights into military drone applications and requirements.
- Enhanced technical and problem-solving skills by working on diverse drone projects, fostering adaptability and proficiency in various aspects of drone technology.
- Successfully identified and resolved issues with two surveillance fixed-wing drones, significantly improving their operational efficiency and resulting in cost savings

Vimanam Air Technical Pvt Ltd

Valasaravakkam, Ch

Drone Trainer (Part timer)

Jan 2022 – May 2022

- Conducted comprehensive training sessions covering drone technology and facilitated hands-on drone assembly to equip individuals and groups with essential piloting skills
- Fostered positive relationships with clients, addressing inquiries, concerns, and customizing training programs to meet their objectives.

Freelance Content Creator

Chennai

Video Editor

Jan 2021- Present

- Responsible for all TVS Chennai , Patterns Furnishing, Iblinds, Etc Instagram social media video content

PROJECTS

Solar Powered Sailplane:

Oct 2020- Pause 2023

- Designed and developed a integrated solar-powered sailplane equipped with a Pixhawk flight controller, Telemetry, and GPS system showcasing a blend of advanced aeronautics and renewable energy technology
- Achieved a remarkable increase in motor run time, extending from 45 to 110 minutes with the integration of a solar wing, resulting in a **144.4%** enhancement in flight duration and demonstrating substantial improvements in both efficiency and sustainability. [Click here to know more](#)

Folding Wing Micro Class Plane:

Feb 2023- July 2023

- Successfully Designed and Developed a micro-class plane with a **144cm wingspan** featuring an innovative folding wing design. This allows the plane to be compactly stored in a **3ft x 1ft box** and rapidly **assembled in under 60 seconds**, enhancing portability and efficiency
- Secured **1st place in Best Innovation** in the Micro Class Plane category at SAEDDC2023, [Click here to know more](#)

Design and build Li-Ion Battery pack:

July 2022 / Feb 2023

- Custom-built Li-ion battery packs using Samsung 18650 and Molicel 21700 cells, tailored specifically to meet the unique power requirements of my projects.
- For an in-depth look at the assembly and bench testing procedures of our Samsung 18650 and Molicel 21700 cell-based battery pack, please [click here](#).

Portfolio Webpage Development:

Nov 2023 – Jan 2024

- The entire website is build using HTML and CSS/ very less Java Script on a span of 5 weeks with the Help of ChatGpt, Check out the website by clicking [Here](#)

Other Projects :

- Click here to know [more](#)

EDUCATION

Rajalakshmi Engineering College.

June 2019 – May 2023

B.E Mechanical Engineering CGPA – 7.8

ACHIVEMENT

- 1st prize in innovation under the SAE Drone Design Challenge (Micro class) July 2023
- 1st price in Innovative project under the Innovation Project Cell March 2023
- 1st price in Innovative project under the Innovation Project Cell October 2022
- 3rd price in Best mechanical Project at SRISHTI 2022 May 2022
- 1st price in Avion (Glider Competition) at Drestein19 (Saveetha college) September 2019
- 1st price in Quardcopter at Roboprix(VIT college) August 2019

SKILLS

Software: Solidworks, SolidEdge, Catia, Mission Planner, QGC, Adobe After Effects , Final cut pro, Davinci Resolve

Soft skills : Attention To Detail, Team work,

Hard skills : Prototyping, Battery pack making (li-ion), Product Design, Aeromodelling, Video editing, Poster design.

CLUB ACTIVITY

Yuva (Young Indians)

Design Board-Member

Sep2020 – Sep 2021

- Pioneered the introduction of motion graphic posters as the first design member, enhancing the club's promotional efforts with innovative design solutions.
- Produced and meticulously edited captivating promotional videos to promote club events.

Project Head

Sep 2021 – Sep 2022

- Contributed to our college securing the title of the "**Best Performance College Club in 2022**" by driving skill development and excellence within the club
- Led and managed a team of club members to successfully execute various projects and initiatives.