

SHIYAM SUNDAR S

Product Support Engineer

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✉ mechboyshiyam@gmail.com

📍 Chennai, India

🌐 shiyam-sundar-s



ABOUT ME

I am a dedicated Flight Operation Engineer in the drone manufacturing industry with expertise in multi-rotor UAS operations. I excel in test planning, execution, and data analysis, focusing on endurance and reliability. Known for my ability to assimilate technical knowledge quickly, I am committed to ensuring top-tier quality and supporting team success in a collaborative environment.

WORK EXPERIENCE

Product Support Engineer

New Space Research and Technology

📅 May 2023 – Present

📍 Bangalore

- UAV Subsystem Integration
- UAV Flight Testing
- UAV Subsystem Optimization
- Troubleshoot and debug any components of a drone in the office and the field
- Plan and execute flight test plans for new software features, electronics, sensors, and payloads
- Expertise in using flight test equipment and software for conducting thorough tests
- Ability to provide technical support and guidance for UAV operation
- Working in UAV SWARM operations
- Enhancing the Performance of UAV Systems
- Data Management
- Flight log analysis

UAV Systems Engineer (Intern)

AIROSSPACE R&D PVT LTD

📅 FEB 2022 – MAY 2023

📍 Chennai

- UAV Subsystem Integration
- UAV Piloting
- UAV Flight Testing
- Troubleshoot and debug any components of a drone in the office and the field
- Leading the Mechanical Team for Meharbaba-II Competition by Indian Air Force
- Enhancing the Performance of UAV Systems

MY LIFE PHILOSOPHY

"Be the reason someone smiles."

HOBBIES

UAV Piloting

Event Management

Public Speaking

Hosting

Travelling

Drone photography

Video Editing

SKILLS

Leadership

Troubleshooting

Piloting software

Drone maintenance

creative thinking

Problem-solving abilities

CAD Modelling

Blender Animation

ANSYS

Solidworks

Catia

Video Editing

STRENGTHS

Hard-working

Smart-working

Good eyesight

Attention-to-detail

Decision making

Statistical Analysis

EDUCATION

B.E. Mechanical Engineer

Chennai Institute of Technology

📅 2023

📍 Chennai

I completed my B.E Mechanical Engineering with a CGPA of 8.61, first class with distinction, and no history of arrears.

Higher Secondary

St.Joseph.Hr.Sec.School

📅 2019

📍 Chengalpattu

Finished my education with a percentage of 73.3%

SSLC

Sri K.C J Vivekananda Vidyalaya.Mat.School

📅 2017

📍 Chengalpattu

Finished my education with a percentage of 91%

Chief Marketing Officer (Intern)

Mark 1 Engineering Solutions

📅 MAY 2021 – FEB 2022 📍 Chennai

- Social media marketing
- Planning, developing, implementing, and monitoring the overall business marketing strategy

OTHER EXPERIENCE

Event Organiser

Chennai Institute of Technology

📅 AUG 2019 – MAY 2023 📍 Chennai

- I was an organizer at the college technical symposium "MECHGUST 2019," which is hosted by CIT Chennai.
- I was the organizer of the college cultural event "TAKSHASHILA 2020," which is hosted by CIT Chennai.
- I was in charge of social media for the college cultural event "TAKSHASHILA 2021," which is hosted by CIT Chennai.
- I was in charge of social media as well as the sponsorship committee for the college cultural festival "TAKSHASHILA 2022," which is hosted by CIT Chennai.
- I was in charge of the sponsorship committee for the college technical symposium "MECHGUST 2022," which is hosted by CIT Chennai.

Piloting Experience

- I have piloted **MAVIC AIR2S**, **AIROS MM**, **AIROS 690**, **AGRI 10 L**, and various other customized drones.
- I have remote-controlled aircraft piloting expertise.
- I have previous GCS Piloting experience.

LANGUAGES

Tamil
English
kannada



REFEREES

Akin Anto

📍 Design Engineer I
NewSpace Research & Technologies Pvt. Ltd.
Sahakara Nagar, Bangalore
Karnataka-560092

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DECLARATION

I hereby declare that the information provided above is true, accurate, and complete to the best of my knowledge and belief.

WORKSHOP I LED

Offline Workshop

Aero Modelling Workshop

CIT – MECHGUST'19

📅 13 SEP 2019 📍 Chennai

Aero Modelling Workshop

CITBIF

📅 10 OCT 2021 📍 Chennai

Aero Modelling Workshop

CIT – TAKSHASHILA'22

📅 21 MAY 2022 📍 Chennai

Aero Modelling Workshop

Vel Tech College

📅 28 APR 2023 📍 Avadi

COMPETITIONS

- I worked for "TEAM VAKKA" in the **SAE Aero Design Challenge** competition from 2019 to 2020 as a fabricator.
- I participated in the **SAE Aero Design Challenge** competition from 2020 to 2021 as a Vice Captain for "TEAM VAKKA" and took **third place in the AIR** for the video presentation category.
- I competed in **MEHARBABA-II** for TEAM AIROS from CIT, we made it through phase 0 and were chosen as one of **41 teams** from throughout India out of **over 1400**.
- I competed in the **SAE Autonomous Drone Development Challenge** in 2022–2023 as Captain for TEAM AIROS from CIT and won **Best Payload Dropping Mechanism**.