



shubhamkumbhar937@gmail.com



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Basmath,
Maharashtra, India - 431512

SHUBHAM KUMBHAR

ELECTRONIC AND TELECOMMUNICATIONS

EDUCATION

B.E. - Electronics & Telecommunication Engineering

SavitriBai Phule pune university

D.Y. Patil College of Engineering, Akurdi

12th | Maharashtra state board |
Percentage: 89 / 100

Gorakhnath vidyalay amba chondi,
Basmath

10th | Maharashtra state board |
Percentage: 78 / 100

Gorakhnath vidyalay amba chondi,
Basmath

TECHNICAL SKILL

- UAV Assembly & Integration
- Embedded Circuit design
- Flight Controller Configuration (PX4 / Ardupilot/jiyi)
- PCB Soldering
- Drone Troubleshooting & Maintenance
- Field Testing & Performance Validation
- MATLAB , Onshape,

ACHIEVEMENTS

- New startup (Agriculture Drone building)
- State level Project competition Navdhar 2K22
- University level research project competition Avishkar 2023-24

PROFILE

UAV System Service Engineer with over 6 years of hands-on experience in agriculture drone assembly, integration, and field servicing. Currently working at Iotech World Avigation Company since September 2025. Skilled in embedded circuit design, PCB design, UAV troubleshooting, and production quality control. Experienced in drone system integration, field support, and ensuring reliable performance in real-world agricultural operations.

PROFESSIONAL EXPERIENCE

IOTech World Avigation

UAV System Engineer.
September 2025 – Present

Hawk aerospace

- Agriculture crop pesticide spraying drone (drone operator) (project based)
January 2024 - March 2025

Am data lab pvt LTD

- Drone Mapping And Survey (Drone pilot manager)
May 2023 - December 2023

PROJECTS

- Drone based on pesticide spraying and cleaning services for a building and solar panel. 01 Feb, 2024 - 01 Mar, 2025

Overview: Developed a multifunctional drone system designed for efficient pesticide spraying and cleaning of building exteriors and solar panels.

- Identification of crops pests with deep learning on embedded drone (Poster presentations) 10 Sep, 2022 - 01 Aug, 2024

Overview: Developed an innovative system using an embedded drone equipped with deep learning algorithms to identify and classify crop pests in real-time.

- Custom Drone building
01 Aug, 2022 - 31 Dec, 2023

Overview: Designed and built a high-performance drone tailored for versatile applications, including aerial photography, surveillance, and environmental monitoring.

SOFT SKILL

- Embedded PCB Design (Kicad)
 - 3D CAD designer (autocad, onshape)
 - Mission Planer
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CO-CURRICULAR ACTIVITIES

- Drone frame manufacturing
Alluminium alloy
 - Drone piloting (2021-26)
 - Embedded circuit design course
 - Drone photography
 - Business fundamentals
 - Personal productivity
 - Freelancer
 - Drone assembling (2021-2026)
 - 3d CAD design (onshape)
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INTREST HOBBIES

- Drone flying
 - Photography
 - Travelling
 - Gym
 - Video editing
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CERTIFICATION

- Embedded circuit design
 - Embedded PCB design and fabriaction
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SIMULATION AND ANALYSIS TOOLS

- Xilinx
 - MATLAB
 - KiCad
 - Onshape
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