

PROVATI SUTRADHAR

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Gender: female
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EDUCATION

Year	Degree	Institution	CGPA/%
2024	M.Tech in Aerospace Engineering Specialization : Flight Mechanics & Control Thesis Work: (ongoing)	Indian Institute of Technology, Kanpur (Uttar Pradesh, India)	8.0/10.00 (1 st Year)
2022	B.Tech in Aeronautical Engineering	Excel Engineering College, Anna University (Tamilnadu, India)	8.5/10.0
2016	HSC (12 th Exam)	Holy cross College, Dhaka, Bangladesh	93%
2015	CBSE-X	Holy cross School, Dhaka, Bangladesh	5.0/5.0

WORK EXPERIENCE

Intern <i>Garuda Aerospace – Chennai, Tamil Nadu</i> Dec 2021 – Jan 2022	<ul style="list-style-type: none">Inspect and maintain drones components and structure.Carried out full assembling and disassembling of multi-rotor agriculture droneCarried out simulation and real-time multi-rotor and fixed-wing piloting.Worked on latest NDT equipped multi-rotor drones.
Intern <i>Pentagon El-Mech. Solution Pvt. Ltd-Bangalore, Karnataka</i> April 2022 – May 2022	<ul style="list-style-type: none">Business management of HVAC companyCompany hierarchy and dutiesAir Conditioning system and mechanism

PROJECTS

<i>Course Project</i>	<ul style="list-style-type: none">Comparison Study of Feedback Linearization, Backstepping Control and Sliding Mode Control for Stabilizing Angular Position of the Single Link Flexible Joint Robotic Manipulator (SFJRM) Nonlinear System(2023)
<i>Course Project</i> <i>B.Tech final Year project</i>	<ul style="list-style-type: none">Swing Up and balancing of Inverted Pendulum(2022)Experimental Investigation of Electrical Discharge Machining in Aluminium Alloy 2024 Reinforced with SiC and B4C MMC (2022)
<i>5th national Aerospace conceptual Design Competition</i> <i>Course Project</i>	<ul style="list-style-type: none">RFP for Water Scooping Amphibian Aircraft for Fire Fighting(2021)Design Of Multirole Military Aircraft(2021)

SKILLS

- Programming:** MATLAB, Python, , C/C++*
- Others:** MS Office, Latex

*Learning

COURSES

- Automatic Control Of Aircraft, Rockets And Spacecraft
- Optimal Space Flight Control
- Mathematics For Aerospace Engg
- Flight Dynamics
- Flight Stability And Control
- Nonlinear And Adaptive Control
- Space Dynamics-I

ACHIEVEMENTS

- Final round Participant as a team “DAKSHA” in 5th national Aerospace conceptual Design Competition arranged by “The Aeronautical society India”.
- Full Funded Scholar of Indian Council for Cultural Relations (ICCR)
- Received a general scholarship from Bangladesh govt. based on the score of Higher Secondary Certificate Examination
- Received job offer for the post of junior software engineer in Technoforte, Bangalore, India.

Miscellaneous

- Graduated as a topper in Classical Music from “ Bangladesh Shishu Academy”.
- Participated “Youth Leadership Development” Program by Lions Clubs International.
- Participated in a seminar on “Usefulness of Flight Simulator” by Hindusthan Institute of Technology
- Participated 3 days workshop on “Science and Technology Capacity Building for Industrial Needs” by TNSCST.
- Participated webinar on “Recent Advances in Satellite Propulsion System”
- Participated webinar on “Space Debris management” by Team 2020.