

DEVASHISH PRAKASH SINGH

Phone number: +91 9140043567 **LinkedIn:** <https://www.linkedin.com/devashish-singh> **E-mail:** singhdevashish98@gmail.com

EDUCATION DETAILS

Qualification	Specialization	Board/Institution	Passing Year	CGPA/Percentage
M.Tech. (1st Rank)	Earth System Science and Technology	University Of Allahabad, Prayagraj, UP	2021	9.79(93.005%)
B.Tech.	Mechanical Engineering	Gurukul Kangri University, Haridwar, Uttrakhand	2019	7.54
Intermediate	PCM	NIOS	2014	83%
High School	Science	CBSE	2012	9.2(87.4%)

SKILLS

Programming Languages: Matlab, Python, Ferret, C++ and Google Engine.

API & Libraries: NumPy, Matplotlib

Operating system: Windows, Cent OS, Ubuntu.

Tools: AutoCAD, Fusion360, GRads, Octave, ILWIS, MS Office, MS Power BI.

PROJECTS

Solar Powered Go Kart (2016-2018):

Build a go cart with 25kW brushless motor, top speed 108kmph, 4500rpm, 35Ah battery, charged using 200W solar cell array embedded on the cars body and raced it in ISIE meet 2018 and won best design award.

Surveillance Drone for Refineries (2017-2019)

Build a UAV capable of continuous flight of 1hr and range of 6 km, equipped with thermal imaginary camera and GPS system which allows it to locate the failure's exact location.

Solar Powered Dustbin (2018-2019)

Modified a regular dustbin with a incineration system and air filter capable of incinerating 10kg bio waste per hour it consumes 6kwh power which is produced by the parking shelter roof top solar panel, its ash could be used in cement industry or road making.

Mesoscale Dronesond (2020-Present)

Building a drone which would be capable of retrieving data (similar to radiosond) from mesoscale (Troposphere) during unstable conditions of atmosphere for observation purpose.

TRAINING AND INDUSTRIAL EXPERIENCE

- **O.M.P.L.(ONGC Mangalore Petrochemical Limited): Jan 2018**

Learned as an Intern under Dy. Manager (Safety & Maintenance Department) about the working and maintenance of Refinery and helped him in finding defects in various pumps and presented a low maintenance and better monitoring solution.

- **D.L.W.(Diesel Locomotive Works): Jun-Jul 2018**

Trained in Locomotive Assembling, Locomotive Testing, Locomotive Fabrication, Locomotive Engine Testing. Worked on heat management module operational in locomotive WAGC3 (India's first diesel to electric converted locomotive).

- **B.H.E.L.(Bharat Heavy Electrical Limited): Jul-Aug 2018**

Learned the turbine fabrication using various methods and CNC instruments.

COURSES & CERTIFICATES

Course Name	Certificate Number	Duration
AutoCAD	106037543459637b6f2b2a2	01/06/2017-15/07/2017
Basics of Remote Sensing, Geographical Information System and Global Navigation satellite system.(IIRS)	2020640295067	17/08/2020-20/11/2020
Remote Sensing Application In Agricultural Water Management. (IIRS)	2020630189319	03/08/2020-07/08/2020
Geospatial Inputs For Enabling Master Plan Formulation (AMRUT MISSION). (IIRS)	2020620186924	27/07/2020-31/07/2020
Understanding Of Coastal Ocean Processes Using Remote Sensing And Numerical Modelling. (IIRS)	2020670398365	21/09/2020-25/09/2020
MOOC On Geospatial Application For Disaster Risk Management (IIRS, CSSTEAP & UN-SPIDER)	IIRS20204583	21/11/2020-24/12/2020

EXTRA CURRICULAR ACTIVITY

- Led the college Eco Green Club for the year 2017 and managed to install 104 bird houses all around the college campus which were made by children of classes 5-8 studying at Gurukul Mahavidyalaya Haridwar.
- Organised and managed an inclined building designing event at collage tech fest JNAGNI 2018.
- Won an extempore organised by Government of Uttrakahand & Gurukul Kangri University under observation of Ministry of Tourism during Swachhta Pakhwada week 2018.
- Volunteered in Surakshit Dada Dadi Nana Nani campaign as District Coordinator of Begusarai a district of Bihar, solved around 15000 grievances by leading a team of 150 team members during Covid19 pandemic by the help of district administration. It was launched by Piramal Foundation supported by NITI Ayog, GOI (2020).
- Volunteered at University Of Allahabad as a teaching assistant by planning online classes and managing contents 2020-2021.
- Cleared JEE MAINS 2015, JEE ADVANCE 2015, GATE 2019 (94.86 percentile)

RESEARCH WORK

- A research paper on "Analysis of Tropical Cyclones occurring over the Bay of Bengal and Arabian Sea during the last 50 Year Period" is under review.