

EDUCATION

- **Indian Institute of Science** Bangalore, India
Doctor of Philosophy (Engineering) *August 2019 - Present*
Centre for Atmospheric and Oceanic Sciences
- **Birla Institute of Technology and Science, Pilani** Rajasthan, India
Bachelor of Engineering (Honours) - Chemical Engineering; CGPA 8.5 *August 2014 - June 2018*
- **All India Secondary School Certificate Examination (AISSCE)** Rajasthan, India
Class XII; 90% *March 2014*

RESEARCH EXPERIENCE

- **Doctoral Student** *Aug 2019 - Present*
Centre for Atmospheric and Oceanic Sciences, IISc Bangalore
 - **Supervisors:** Dr. Bishakhdat Gayen (Primary) and Prof. Debasis Sengupta
- **Project Scientist 'B'** *Jun 2018 - Jul 2019*
International Centre for Theoretical Sciences (ICTS), Bangalore
 - **Supervisor:** Prof. Rama Govindarajan
- **Undergraduate Thesis** *Jul 2017 - Nov 2017*
Department of Mechanical Engineering, University of California, Santa Barbara (UCSB)
 - **Supervisor:** Prof. Eckart Meiburg
- **Summer Research Intern** *May 2016 - Jul 2016*
Bharat Heavy Electricals Limited (BHEL), Coal Research Centre, Tiruchirapalli

CONFERENCES/WORKSHOPS ATTENDED

- **Waves, Instabilities and Mixing in Rotating and Stratified Flows, International Centre for Theoretical Sciences, Bangalore 2022**
- **Ocean Sciences Meeting (OSM) 2022**
Talk Title: **Role of convection in driving enhanced upper-ocean mixing in response towards a tropical cyclone**
- **Japan Geoscience Union Meeting (JpGU) 2021**
Talk Title: **Convection enhances upper-ocean mixing during a tropical cyclone**
- **Australian Meteorological and Oceanographic Society (AMOS), Science for Impact 2021**
Talk Title: **Role of convection and turbulence in the upper ocean mixing during a tropical cyclone**
- **Ocean Mixing and Monsoon (OMM) Meeting, Space Application Centre, ISRO, Ahmedabad, 2020**
- **Turbulence from Angstroms to Light years, International Centre for Theoretical Sciences, Bangalore 2018**

PUBLICATIONS

- Role of convection in upper ocean mixing, during a tropical cyclone
Devang Falor, B. Gayen, D. Sengupta, D. Chaudhuri
Submitted to Geophysical Research Letters

AWARDS AND ACHIEVEMENTS

- **Outstanding Student Presentation Award (OSPA):** Japan Geoscience Union Meeting (JpGU) 2021.
- **Prime Minister's Research Fellowship:** August 2021
- **Grantham Fellowship:** Centre for Atmospheric and Oceanic Sciences
- **All India Rank (AIR) 15:** Graduate Aptitude Test in Engineering (GATE) 2019
- **Vice Chairperson:** Indian Institute of Chemical Engineers, Pilani Student Chapter

SKILLS

- Fortran (77/90), C, C++, Message Passing Interface (MPI), L^AT_EX, MATLAB, Python, OpenFOAM, ANSYS, ParaView

OUTREACH ACTIVITIES

- Delivered a webinar on **Cyclones: Predicting Turbulence** (LINK) on *Researcher on Web* platform, 2020.