SOUMYADIP GANGULY

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EDUCATION

Indian Institute of Technology Bhubaneswar *July 2015 - May 2017*
Master of Technology Overall GPA: 8.62/10
Climate Science and Technology

Jadavpur University *July 2009 - June 2013*
Bachelor of Engineering Overall GPA: 7.7/10
Department of Civil Engineering

WORK EXPERIENCE

Risk Management Solutions(RMS) February 2019 - Present
Modelling Analyst *Catastrophe Modeling*

- Preparing and executing catastrophe model testing
- Developing and setting up automation tools in R.
- Analysis of test results, reporting bugs and taking necessary steps to resolve those.

Mani Group July 2013 - December,2014
Assistant Engineer *Civil Engineering*

- Site Supervision of multistoried residential project
- Planning, billing and execution of site works

RESEARCH EXPERIENCE

IIT Delhi July 2017 - January 2019
Research Fellow *Centre for Atmospheric Sciences*

- Air Quality Modellng, Long range trasnport of air pollutants.
- Chemical transport model WRF/Chem was employed to study the effect of long range transport on local pollution level of in Indo-Gangetic plain.
- A regulatory model ADMS(Air pollution Dispersion Modelling System) was employed

IIT Bhubaneswar May 2016 - May 2017
M.Tech. Project *School of Earth Ocean and Climate Sciences*

- Analyzed variability of atmospheric aerosols and its impact on Solar power over India
- A solar transmission model REST2(Reference Evaluation of Solar Transmittance, 2 bands) was employed.
- Sensitivity of solar irradiance associated with variability of aerosol was established and used for whole India to map the solar irradiance variability (seasonal and monthly) due to aerosols.

TECHNICAL STRENGTHS

Computer Languages	Python, R, FORTRAN,C
Software & Tools	Matlab, ArcGIS,NCL, Ferret, AutoCAD, Advanced Excel
Numerical Models	WRF, WRF/Chem, ADMS, REST2, HYSPLIT

ACADEMIC ACHIEVEMENTS

Ranked in National Top 4% in GATE (Graduate Aptitude Test in Engineering), 2015.

Ranked in the State-wise Top 1% in State level Engineering competitive Exam (WBJEE, 2009).

WORKSHOPS ATTENDED

Cloud Dynamics, Micro physics and Small-Scale Simulation 13-17th August, 2018

The workshop apprises latest research work on cloud microphysics presented by eminent scientists and researchers.

Numerical Climate Predication(GIAN ourse) 18th-29th June,2018

- The workshop was from 18th June to 29th June, 2018. The course is taught by Dr. Micheal Mesquita and Prof.Venkata Reddy Keesara.
- Theoretical lectures were given on numerical models related to weather and climate prediction
- Hand on experience with WRF(Weather Research Forecasting) model, Postprocessing and analysis with R.

Cloud Microphysics and Dynamics: Observations and Models 29th January-1st February, 2018

- Detailed theory of cloud physics, cloud modelling and observational analysis were introduced.

s EXTRACURRICULAR ACTIVITIES

Learning new technical skills through online platforms(Completed online certification course in "Data Analysis Track with R" via Datacamp).

Singing and playing guitar