# Manmeet **Singh**

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## Experience

**Indian Institute of Tropical Meteorology** *Pune, India*
Scientist B *Oct. 2015 - PRESENT*
- Working for the Sixth Assessment Report (AR6) of the United Nations Intergovernmental Panel on Climate Change (IPCC) Coupled Model Intercomparison Project 6 (CMIP 6) in which India is participating for the first time.

**Indian Institute of Tropical Meteorology** *Pune, India*
Project Scientist B *Jun. 2015 - Sep. 2015*
- Introduced aerosols in IITM Earth System Model.

**Indian Institute of Tropical Meteorology** *Pune, India*
Trainee Scientist *Aug. 2013 - May. 2015*
- One year training in Earth System Sciences and Climate.
- Six months thesis "Development of Inhouse Cloud FLow Model at IITM".

## Internships

**Meinhardt Group(Eigen Technical Services)** *Gurgaon, India*
Structural Design Intern *Jun. 2012 - Dec. 2012*
- Worked on three projects designing high rise concrete and steel structures.
- Prepared excel sheets for the design detailiing of structural elements using VB Macro.

**theResearchPedia** *Online*
Financial Research Analyst *Mar. 2013 - Aug. 2013*
- Market Research on different financial products
- Areas: Health Insurance, Equity Schemes, Studies on Car efficiency.

## Education

**Thapar University** *Punjab, India*
B.E. in Civil Engineering *2009 - 2013*
- CGPA 8.85/10

## Skills

| | |
|---|---|
| **Programming** | Python, C/C++, Matlab, Fortran 90, Excel VBA, Shell Scripting LaTeX |
| **Web** | HTML |
| **Languages** | English, French(basic), Punjabi, Hindi, Sanskrit |

## Extracurricular Activity

**Online Model United Nations** *Online*
Ambassador and EAO(India) *Apr. 2013 - Oct. 2013*
- International Exposure, coordinating with Admins in Middle East and USA.
- Publicity on Social Media Platforms and by real time events
- Coordinating with delegates, assisting them to participate in debates.

### Hostel J, Thapar University
*India*

FINANCE SECRATARY    *Jan. 2013 - May. 2013*

- Checking the daily transactions of the hostel including but not exclusively the bills from the vendors etc.
- Optimizing the diet by experimenting with the individual items and calculating its actual cost.
- Assisting in preparing monthly bills of the mess working on the excel sheets developed for the purpose.

### Aranya 2011(Annual Technical Fest, Thapar University)
*Punjab, India*

EVENT HEAD, CADD    *2011*

- Organized a two day workshop by invited experts on AutoCAD and Its Civil Engineering Applications.
- Parallely conducted a competition on the applications of AUTOCAD in Civil Engineering coordinating a team of six people.

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# Honors & Awards

| 2013 | **Best Journalist**, Udghosh 2013, Hindu College, Delhi University | *Delhi, India* |
| 2013 | **Best Impromptu Speaker**, Anurag Aggarwal Institute of Public Speaking | *Delhi, India* |
| 2011 | **Shakuntala Juneja Memorial Scholarship** , Awarded for academic excellence | *Punjab, India* |
| 2008 | **First Prize**, Inter School Science Exhibition | *Delhi, India* |

# Publications and Articles

### 2012 Second International Conference on Recent Trends in Transportation, Environmental and Civil Engineering
*Dubai, United Arab Emirates*

USE OF COMPUTER APPLICATIONS TO DETERMINE THE BEST POSSIBLE RUNWAY ORIENTATION USING WIND ROSE DIAGRAMS    *2012*

- Authors: Manmeet Singh and Tanuj Chopra

### Indian Ocean Bubble
*India*

A SHORT PERSPECTIVE ON THE MASCARENE HIGH AND THE ABNORMAL INDIAN MONSOON DURING 2015    *2015*

- Authors: R. Krishnan, Bhupendra Singh, R. Vellore, M. Mujumdar, P. Swapna, Ayantika Choudhury, Manmeet Singh, B. Preethi and M. Rajeevan

### Poster Presentation, Annual RAC Meeting
*India*

RESPONSE OF IITM-ESM-V2 TO NATURALLY OCCURING TROPOSHERIC AEROSOLS    *2015*

- Authors: Ayantika Choudhury, Manmeet Singh., Sandeep N, Prajeesh AG, P. Swapna, R. Vellore, R. Krishnan

# Certifications

### Stanford Online(Coursera)
*License CUK7X5UUG45J*

MACHINE LEARNING    *Jan. 2016*

- Linear Regression, Logistic Regression, Neural Networks, Support Vector Machines.

### NIIT
*Delhi, India*

SWIFT OFFICE EDGE-PROFICIENCY IN ADVANCED OFFICE APPLICATION    *Jan. 2011*

- Excel VBA