

# Samidha Mridul Verma

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## EDUCATION

### MNIT JAIPUR

B.TECH IN ELECTRICAL ENGINEERING

Expected May 2019 | Jaipur, India

CGPA: 6.26 (V sem)

### APEEJAY SCHOOL, KHARGHAR

May 2015 | Navi Mumbai, India

XII CBSE

Board percentage: 92.6

### APEEJAY SCHOOL, KHARGHAR

May 2013 | Navi Mumbai, India

X CBSE

CGPA: 10.0

## LINKS

Github:// [samidhaVerma](#)

LinkedIn:// [samidhaverma](#)

## RESEARCH INTERESTS

Data Analytics

Forecasting Techniques

Machine Learning

Reinforcement Learning

Deep Learning

Game Development

## COURSEWORK

### MOOCS (ONGOING)

Reinforcement Learning by David Silver

Introduction to Algorithms MIT OCW

## SKILLS

### PROGRAMMING

Python • MATLAB • C • C++ • R •

### DOCUMENTATION

IPython Notebook •

### FRAMEWORK

SK Learn • Numpy • Matplotlib •

Simulink • git •

### OPERATING SYSTEMS

Linux • Windows •

## RESEARCH

### ZINE LAB | CORE TEAM MEMBER

January 2018 – Present | MNIT Jaipur

Working with the ZINE team on various projects.

### RAMAN LAB | RESEARCH STUDENT

July 2017 – Present | MNIT Jaipur

Working under **Dr. Rajesh Kumar** on projects related to Machine Learning and Deep Learning.

## PROJECTS

### WIND FORECASTING TECHNIQUES | RESEARCH INTERN

October 2017 - Present | RAMAN Lab, MNIT Jaipur

- Working under the guidance of **Dr. Kusum Verma** and **Dr. Rajesh Kumar** on "Condition Monitoring and Efficient Usage of Wind Farms using Advanced Prediction Models" in the state of Rajasthan, India.
- The project is supported by DST (Department of Science and Technology), Government of Rajasthan.

### DATA ANALYTICS | SUMMER INTERN

July 2017 - August 2017 | IIM Lucknow, work from home

- Worked under the guidance of **Dr. Sameer Mathur** on learning Data Analytics with Managerial Applications using R programming language.
- Analysed multiple datasets using the tools of Machine Learning and R.

## PUBLICATIONS

[1] **Samidha Mridul Verma**, Vasanth Reddy, Kusum Verma, Rajesh Kumar "Markov Models based Short Term Forecasting of Wind Speed for Estimating Day-Ahead Wind Power".

International Conference on Power, Energy, Control Transmission Systems 2018 (link)

### IN REVIEW

[2] Vasanth Reddy, **Samidha Mridul Verma**, Kusum Verma, Rajesh Kumar "Hybrid Approach for Short Term Wind Power Forecasting"

## AWARDS

2015 **top 20** Apeejay Talent Search Examination

## CLUBS

2017-Present

**Core Team Member**

2018-Present

**Member**

**Zine - Robotics and Research**

**IEEE student chapter, MNIT**

## EXTRA-CURRICULAR

- I like to perform an Indian classical form of dance (Bharatanatyam) which I learnt for seven years.
- I also like to take part in public speaking events like debates and extempores.