Samidha Mridul Verma

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EDUCATION

MNIT JAIPUR
B.Tech in Electrical Engineering
Expected May 2019 | Jaipur, India
CGPA: 6.3 (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
Deep Learning
Reinforcement Learning

SKILLS

PROGRAMMING
Python • MATLAB • C • C++ • R •
FRAMEWORK
SK Learn• Numpy • Matplotlib • Simulink • git •
OPERATING SYSTEMS
Linux • Windows •

CLUBS

- ZINE - Robotics & Research
- IEEE student chapter, MNIT

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.

BRAIN TUMOR CLASSIFICATION USING CNNS | Course Project (Digital Signal Processing)
February 2018 - April 2018 | MNIT Jaipur

- Worked under the guidance of Dr. Hemant Meena for Digital Signal Processing course project.
- Used Convolutional Neural Networks to classify brain tumor MRI images into 5 categories using BRATS dataset 2013.

PUBLICATIONS

PUBLISHED
[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"

COURSEWORK (MOOCS)

CERTIFIED
Neural Networks and Deep Learning by deeplearning.ai
ONGOING
Neural Networks by Geoffrey Hinton

EXTRA-CURRICULAR

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