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

Forecasting Techniques
Optimisation Techniques
Machine Learning
Deep Learning
Artificial Intelligence

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 | Undergraduate Scholar
July 2017 – Present | MNIT Jaipur
Working under **Dr. Rajesh Kumar** on projects related to Machine Learning and Deep Learning.

INTERNSHIPS

DEPARTMENT OF SCIENCE AND TECHNOLOGY, GOVT. OF RAJASTHAN | Research Intern
October 2017 - May 2018 | 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.

PROJECTS

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] Vasanth Reddy, **Samidha Mridul Verma** , Kusum Verma, Rajesh Kumar "Hybrid Approach for Short Term Wind Power Forecasting".
9th International Conference on Computing, Communication and Networking Technologies (ICCCNT – 2018), Indian Institute of Science (IISc), Bengaluru, 10-12 July, 2018.
[2] **Samidha Mridul Verma** , Vasanth Reddy, Kusum Verma, Rajesh Kumar "Markov Models based Short Term Forecasting of Wind Speed for Estimating Day-Ahead Wind Power". **(link)**
IEEE International Conference on Power, Energy, Control Transmission Systems 2018, (ICPECTS – 2018), Chennai, 22-23 Feb. 2018.

COURSEWORK (MOOCS)

CERTIFIED
Neural Networks and Deep Learning (**Certification** | Assignments)
Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization (**Certification** | Assignments)

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.