Aditya Singh

ELECTRICAL ENGG. UNDERGRADUATE

☐ (+91) 9650324174　|　✉ aditya.singh.eee17@iitbhu.ac.in

Education

Indian Institute of Technology (BHU) Varanasi　　　　　　　　　　　　　　*Varanasi, India*

B.TECH. IN ELECTRICAL ENGINEERING　　　　　　　　　　　　　　　　　　*July. 2017 - May. 2022*

- Cumulative Performance Index, CPI: **8.15/10.00**

Skills

Languages/Frameworks	C, C++, Python, HTML, CSS(Basic)
Technologies	Tensorflow, Keras, Arduino, Adobe Premiere Pro
Areas of Interest	Machine Learning, Natural Language Processing, Data Structures, Algorithmic Programming

Work Experience

Gail (India) Ltd : Intern　　　　　　　　　　　　　　*Visakhapatnam, Andhara Pradesh*

INDUSTRIAL TRAINING, ELECTRICAL ENGINEERING　　　　　　　　　　*May 2018 - July 2018*

- Undergone training in the application, working and testing of different electrical devices and switch gears in the industry.

Projects

DYNAMIC DEMAND RESPONSE　　　　　　　　　　　　　　*IIT(BHU) Varanasi*

GUIDE: PROF.SANTWANA MUKHOPADHYAY (DEPARTMENT OF MATHEMATICS AND COMPUTING, IIT (BHU) VARANASI)　　*Jan 2020 - Ongoing*

- Implemented classical statistical forecasting models - ARIMA, SARIMA
- Implemented Prophet General Additive Model by Facebook
- Implemented Long-Short Term Memory Neural Network
- Worked on gaining insight into walk forward validation, forecasting performance, and feature selection.
- **Exposure**: Python, Keras, Tensor flow, Stats models, Scikit-Learn

FAKE NEWS DETECTION　　　　　　　　　　　　　　*IIT(BHU) Varanasi*

GUIDE: PROF. VINAYAK SHRIVASTAVA (DEPARTMENT OF COMPUTER SCIENCE ENGINEERING, IIT (BHU) VARANASI)　　*May 2019- December 2019*

- Used Machine Learning to train LIAR dataset to classify any given news as Fake or genuine.
- Implemented logistic regression, Naïve Bayes and Recurrent Neural Networks to obtain better performance for news classification.
- **Exposure**: Python, RNN, Naïve Bayes, Logistic Regression, Pandas, Scikit-learn, NLTK.

MAGNETIC LEVITATION　　　　　　　　　　　　　　*IIT(BHU) Varanasi*

GUIDE: PROF. SHYAM KAMAL (DEPARTMENT OF ELECTRICAL ENGINEERING, IIT (BHU) VARANASI)　　*Jan 2018 - April 2018*

- Designed a circuit for levitating and controlling the oscillations by switching mechanism.
- Used the concept of Control System.
- **Exposure**: Electromagnetic Theory, Control System

Extra-Curriculars

2017-2020	**Active Member,** Cine Club ,Film and Media Council	*IIT(BHU) Varanasi*
2019	**PR Head,** FMC Weekend	*IIT(BHU) Varanasi*
2019	**Gold Medal Winner (Football),** Spardha ,Annual Sports Fest	*IIT(BHU) Varanasi*
2017,2018	**3rd Position(Short film making competition),** Inter IIT	*IIT Kanpur, IIT Roorkee*
2018	**Reciever of Special Mension Award for contributions in Film And Media Council,** Gymkhana Awards	*IIT(BHU) Varanasi*