

# NAVEEN TATA

## Student Developer

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## PERSONAL SUMMARY

Open Source Enthusiast. Python programmer, Motivated and highly professional individual with two years of experience in Machine Learning academic research and personal projects. Looking forward to challenging roles that require analytical reasoning and Deep learning in developing products.

## LEARNING EXPERIENCE

### Amrita Center for Wireless Network and Applications - Intern

📅 June 2019 - Present

📍 Amritapuri, India

- Research and development of Smart Grid Technology which consists of the electrical providers, a system of power delivery and smart meters
- Working with team on automation and distribution of power by relaying information from consumers to transformers and generation plants
- By analyzing the time series data of power consumption from each lane, my work is to predict the future consumption of power by each lane and respond to periods of peak demand.

### Council of Scientific and Industrial Research- Intern

📅 May-2019

📍 Remote, India

- Worked as a web scraper and contributed to collect, clean, and organize a database of a few important representatives of India under the guidance of Dr. Sukant Khurana, Scientist at CSIR-CDR

### Ben Gurion University - Summer School

📅 July-2018

📍 BeerSheva, Israel

- This Summer school is based on leveraging machine learning solutions to Cybersecurity problems, headed by Dr. Nir Nissam, head of the Malware Lab at the Cyber Security Research Center at BGU.
- Worked on analyzing target specific social media feeds to create custom vocabularies for refined spam classification.

### Coala - Open Source Contributor

📅 2017 - PRESENT

📍 Remote, India

- Working as a contributor adding and fixing the organization's main modules(coala-bears).

## EDUCATION

### Amrita School of Engineering, Kerala - Undergraduate

📅 June 2016 - Present

Final year CSE student with current CGPA - 9.00

### Sri Chaitanya College, Andhra Pradesh - Higher Secondary

📅 June 2014 - 2016

Percentage of - 96

### S.T.B.E.M High School, Andhra Pradesh - SSC

📅 June 2014

Percentage of - 93

## SKILLS

- C, Python, Java, HTML and CSS
- Keras, Tensorflow, Git, Django, Postgresql, Bootstrap.

## AREAS OF INTEREST

- Dbms, OOPS, Data Structures, Machine Learning, Deep Learning.

## ACHIEVEMENTS

- Awarded full scholarship for summer school at Ben Gurion University, Israel.
- Selected as a one among the 47 finalists from 1900+ applicants for Philips Data Science Hackathon.
- Runner Up in the Hackathon conducted by Amrita University as a part of Vidyut, Kollam.

## PROJECTS

### Word Predictor using Long Short Term Memory - Python, Tensor Flow

- Given a seed Input, It can recommend the appropriate words in the sentence.
- Built an LSTM network using Keras which measures up to 85% accuracy during run-time.

### Twitter Spam Detection, ML - Python, Weka

- By using Twitter API we collected all the tweets and preprocessed data using Python.
- Using Weka, implemented various algorithms like MLP, Naive Bayes on dataset for more accuracy.

### Spooky Author Identification, NLP - Python, Keras

- It is kaggle competition where we are challenged to predict the author of experts from the given text of horror stories written by different authors.
- Implemented Neural Network and Naive Bayes Algorithm with an accuracy of 80%.

### Real-Time Water Monitoring System -IOT - Arduino IDE, ESP8266

- Using Ultrasonic sensor values the depth of the water in the tank is calculated using the Ring Buffer.
- Notify the user about overflow or underflow of water through email.
- Can monitor the values in real time using Thingspeak server.