

# Pravendra

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## Education

B.Tech in Electrical Engineering  
IIT Jodhpur | 2020  
GPA: 6.94/10

Class XII  
Jai public School | 2016  
Percentage: 72.8%

Class X  
Vandana Convent School | 2014  
CGPA: 9.0/10

## Skills

Languages: C, Matlab, SQL, Python  
WebDev : HTML, CSS, JS, Django  
Simulation : Ansys HFSS  
Design : Android Studio, Pycharm, Song Vegas Pro, Adobe Photoshop  
Python Related: Jupyter Notebook, Colab, pyqt5  
Other: Basics of Hadoop

## PoR

Joint Secretary | Student Design And Art Society  
Organised Framed at IIT Jodhpur and coordinated a team of 30 students

Informals Head | IGNUS'19  
Coordinated a team of 30 Students and 100 participants

## ExtraCurricular –

Participated as a delegate of Vietnam (DISEC) at JECRC MUN 2017

Represented Defeat The Beat in 2nd Inter-IIT Cultural Meet 2017

Represented IIT Jodhpur Basketball team in 51st Inter-IIT Sports Meet 2016

Participated in NIGHT-RUN'16, 3km long marathon organised by IIT Jodhpur

## Work Experience and Internships

May'19

Summer Intern

VeraTech, Gurgaon

Contributed by developing Captcha Solver for solving multiple captcha with more than 90% accuracy (Image Text Detection)  
Managed MySQL database and implemented *RedisSearch*, *ElasticSearch* for fast searching on the server  
Developed multiple scripts to scrap data, store them and then upload them on cloud and maintain their log and status in MySQL database

April'18

Summer Intern

CGPL, Gujarat

Developed a professional skill needed to work as an employ  
Studied in depth about the working of 4000 MW UMP Project, and other technical concepts like working of relay and circuit breaker with practice knowledge

April'17

Summer Intern

Tata Power Company Limited, Mumbai

Practically observed the working of power-plant especially  
Studied the working of a power-plant and other various process like the working of generator, cooling system, Rankine cycle

## Courses

Courses

Computer Programming (C++), Principles of Management, Microprocessors & Micro controllers, Digital Logic and Design, Circuit Theory, Signals and Systems, , Probability, Statistics and Random Processes, Complex Analysis and Differential Equation and Linear Algebra and Calculus

Minor in A.I  
(\*Ongoing)

\*Machine Learning I, \*Artificial Intelligence, \*Digital Image Analysis

## Projects

Jan-April'19

Developing a bot, which can reply to the question asked through a paragraph.  
Guide: Dr. Sandeep Yadav  
Used Bidirectional Encoder Representations(BERT) for obtaining results for NLP problem.  
Learned about the working of BERT, Transformers,Tokenization and word Embedding.  
Implementing BERT paper for generating relevant answers for the bot.

Aug-Dec'18

Developing software for prediction of solar radiation using Deep learning  
Guide: Dr. Sandeep Yadav  
To Predict the Solar Radiation data for the next month.  
Processed data to make it usable  
Implement RNN, time series analysis for predicting Solar Radiation data.

Jan-April'18

Predicting Visual Attractiveness of Website using Machine Learning  
Guide: Dr. Sandeep Yadav  
Created our own Feature Matrix to predict the model.  
Extracting HTML/CSS data from the website using web scrapping.  
Classification of a website link provided to us as appealing/non-appealing using machine learning.

Jan-Dec'18

Microsoft Code.fun.do project  
Introduced an idea to help tourist in efficiently planning logistics for tourist spots by interconnecting appropriate E-ticket websites.  
Connected E-ticket websites through web frame and researched trustful content about the spots.

## Achievements

- Rank opener of the electrical branch in 2016 in IIT Jodhpur
- Ranked among the top 0.3% of 1.2 million applicants in JEE Advanced
- Successfully completed Microsoft Hackathon – App showcased in Microsoft Code.Fun.Do