

Pravendra

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<https://pravendrakhichi.github.io/>

Education

B.Tech in Electrical Engineering
IIT Jodhpur | 2020 | GPA:7.0/10

Class XII
Jai public School | 2016 | 72.8 %

Class X
Vandana Convent School | 2014 |
9.0/10

Skills

Languages: C, Matlab, SQL,
Python,Basics of R and
WebDev : HTML, CSS, JS, Django
Simulation : Ansys HFSS
Design : Android Studio,
Pycharm,Song Vegas Pro, Adobe
Photoshop
Python Related: Jupyter Notebook,
Colab, pyqt5, dataset handling from
Kaggle and github.
Other: basics of Hadoop

Extra-Curricular —

Joint Secretary of Student Design And
Art Society
- Organised Framed -Art Exhibition
held in IIT Jodhpur and coordinated a
team of 30 students.
- Brought out expression of arts in the
intra-hostel cultural event-Spandan,
with a team of 40 students including
members from cultural society.

Informals Head of IGNUS
- Coordinated a team of 30 Students
and 100's of participants.
- Engaged the participant in fun
activities during buffer time.

Participant in InterIIT Sports meet
- Represented IIT Jodhpur in InterIIT
in BasketBall in 1st Year.
Participant in InterIIT Cult meet
- Represented IIT Jodhpur in InterIIT
in Dance in 2nd year.

Work Experience and Internships

May'19

Summer Intern

VeraTech,Gurgaon

Developed Captcha Solver for solving multiple captcha with more than 90 percent accuracy.(Image Text Detection)
Helped in deploying python package by contributing in solving captcha.
Managed MySQL database and implemented redisearch (which uses cache memory), elasticsearch (which uses hashing) 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

Machine Learning, 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 :

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 event.