

Pravendra Singh Khichi



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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, Google App Script
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

In-formals Head | IGNUS'19
Coordinated a team of 30
students and engaged
participants during buffer time

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

- Worked on projects dealing with computer vision (image text detection) with more than 90% accuracy
- Built an automated CRM from scratch for the company aligning with its specific requirements
- 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 relay and circuit breakers

April'17

Summer Intern

Tata Power Company Limited, Mumbai

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

Courses (*Ongoing)

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 I, *Artificial Intelligence, *Digital Image Analysis

Projects(*Ongoing)

Aug-Dec'20

*Image to text and text to image conversion using Adversarial networks

Guide: Dr. Deepak Mishra

- Generating medical image from the given textual description

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
- Implemented 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

- Predicted Solar Radiation data for the next month using Deep learning
- Implemented RNN with time series analysis

Jan-April'18

Predicting Visual Attractiveness of Website using Machine Learning

Guide: Dr. Sandeep Yadav

- Classification of a website links as appealing/non-appealing using machine learning tools
- Created our own Feature Matrix to predict the model
- Extracting HTML/CSS data from the website using web scrapping

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