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
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
I completed my 2-month internship at Veratech. During which I worked on projects dealing with computer vision with more than 90% accuracy(image text detection).
I also single-handedly built from scratch an automated CRM for the company aligning with its specific requirements.
Managed MySQL database and implemented *RediSearch*, *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 (*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

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,Tokenizaton 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
Predicted Solar Radiation data for the next month using machine learning.
Implement RNN, time series analysis for by making data processable.

Jan-April'18 — Predicting Visual Attractiveness of Website using Machine Learning
Guide: Dr. Sandeep Yadav
Classification of a website link provided to us as appealing/non-appealing using machine learning.
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