Pravendra Singh Khichi

30 September 1997
khinchi.1@iitj.ac.in
+91-7976624967
pravendrakhichi.github.io

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

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, Tokenizaton 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

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

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 *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 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

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