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|  |  | **DEEKSHA RAWAT** |
| Profile Aspiring software engineer skilled in Designing, implementing, and installing software solutions as well as developing high-quality software designs & architecture. Adept at developing various tools & applications by producing clean & eﬃcient code, conducting systems analysis to improve operations, and automating tasks through appropriate tools & scripting. Contact PHONE:  958758859  EMAIL:  deekshrawat0002@gmail.com BADGES |  | EDUCATIONSRM Institute of Science and Technology June 19’ - Present  **Course modules:**   * Data Structures | Probability and Statistics | Abstract Algebra | Data Base Management System * Microprocessor and Microcontrollers | Computer Architecture | Design and Analysis of Algorithms * Software Project Management | Natural Language Processing | Embedded Systems | Software Testing and Validation   **Achievement:** Awarded with merit based scholarship Nirmala Convent Sr. Sec School April 18’ – March 19’  **Course modules:** Physics| Chemistry| Mathematics| Computer Science| English  **Achievement:** Achieved89% in CBSE 12th Board Nirmala Convent Sr. Sec School April 16’ – March 17’  **Course modules:** Science | Mathematics| English| SST| Hindi| Computer Science  **Achievement:** Achieved 9.8 CGPA in CBSE 10th Board KEY SKILLS |

## WORK EXPERIENCE

#### iAssess\_Digital|Backend Developer

July 21’–Present

Application Development & Software Testing.

* Gained hands-on experience in developing, implementing, and maintaining internal web applications.
* Performed automated and manual tests to ensure the software created is up to date and working properly.
* Detected and tracked software defects and inconsistencies in the program.

#### Next Tech Lab|Associate

Sep 20’–Present

Research

* Validated incoming data to check information accuracy and integrity while independently locating and correcting concerns.
* Gathered, arranged and corrected research data to create representative graphs and charts highlighting results for presentations.
* Collaborated with team members to initiate best practices to achieve organizational goals

## PROJECTS

**Domain: Web Application | Programming Languages: Python, Javascript,HTML,CSS | Aug '20**

The E-Library Management has been designed to computerize and automate the operations performed over the information about the members, book issues etc.This computerization of library helps in many instances of its maintenances.

Developed features for the application and created a new landing page to smoothen customer experience

E-library management Project using HTML5,CSS,Django,Python,Sql.

**Domain: Machine learning | Programming Languages: Python | Jun '19**

The concept of customer segment to target is done using the customer segmentation process using the clustering technique.

In this, the clustering algorithm used is K-means algorithm which is the partitioning algorithm, to segment the customers according to the similar characteristics.

To determine the optimal clusters, elbow method is used.

**Domain: Machine learning | Programming Languages: Python | Jun '19**

A deep learning based system that combines the CNN and LSTM networks to automatically detect COVID-19 from CT images.

In the proposed system, CNN is used for feature extraction and LSTM is used to classify COVID-19 based on those features.

The LSTM network has an internal memory that is capable of learning from imperative experiences with long-term states.

**Domain: Machine learning | Programming Languages: Python | Jun '19**

Fake news detection is the task of detecting forms of news consisting of deliberate disinformation or hoaxes spread via traditional news media (print and broadcast) or online social media.

In a nutshell, using sklearn, a TfidfVectorizer is built on the data-set.

Then, a Passive Aggressive Classifier is initialized and the model is fit.

In the end, the accuracy score and the confusion matrix quantitatively explain how well the model fares.

**Domain: Machine learning | Programming Languages: Python | Jun '19**

The model developed in this work uses machine learning techniques on big data platform and builds a new way of features’ engineering and selection.

The model experimented three algorithms: Decision Tree, Random Forest, and Extreme Gradient Boosting “XGBOOST”. However, the best results were obtained by applying XGBOOST algorithm.The model gave good results and was deployed to the website.

## CERTIFICATIONS

**IIT Madras|2019-08**

**Ethical Hacking**

**My Captain|2020-06**

**Web Application Development**

**Coursera|2021-08**

**Apache sparks**

**Hackerrank|2021-08**

**Problem Solving**

**Hackerrank|2021-08**

**Problem Solving**