

EDUCATION

Bachelor of Technology (CSE)

Jaypee Institute of Information Technology

07/2017 - Present

8.4

XII (Senior Secondary), Science

Ursuline Convent Senior Secondary School

04/2015 - 03/2016

91.8%

PERSONAL PROJECTS

Virtual Notepad (02/2020 - Present)

- The Virtual Notepad captures gestures with the help of OpenCV and writes the extracted data in a text file. This data is further analyzed by a deep learning model (CNN+RNN with LSTM) for the prediction for the correct word. With the help of this, a user can write sentences and paragraphs by using simple gestures.

Alpha-numeric character recognition using gesture detection (11/2019 - Present)

- This project is used for alpha-numeric character detection, prediction and recognition. The gesture detection part is performed using openCV while the character recognition part is completely based on CNN

Kannad_Recognition_using-cnn (01/2020 - Present)

- This project is a part of online competition on Kaggle. I used the provided test dataset for prediction and to accurately recognize characters of Kannad language. The model was trained on a dataset where each row contained 900 columns(pixel values of 30X30 image.) The final accuracy of the model was determined to be 68.24%. This project mainly focuses on input data processing and the implementation of algorithms like CNN for better results.

Customer interest in Bank's policies using machine learning (08/2019 - Present)

- This project is about a bank, which did a survey on its customers. The aim of the project is to predict whether the customer will revert based on the data collected using various machine learning techniques. This project mainly focuses on input data processing, visualization, and the implementation of algorithms of machine learning like decision tree and Linear regression for the best results.

WORK EXPERIENCE

Python Developer Intern

Codules Technology Pvt. Ltd.

06/2019 - 07/2019

Greater Noida

Achievements/Tasks

- As a python developer I worked on a project titled as Attendance Management System. Attendance management is the act of managing attendance or presence in a work setting to minimize loss due to employee downtime. Implemented various optimization algorithms, used libraries like Tkinter and implemented different Data structures like hash stack and queues to fulfill the above requirements.

Data science Intern

BRIWO Solutions Pvt. Ltd

05/2020 - 07/2020

Virtual

Achievements/Tasks

- As a Data science intern, my responsibilities included the preprocessing of datasets. I was also expected to train and optimize already preprocessed data using various machine learning and deep learning algorithms. I also learned and worked on various amazing algorithms like YOLOv2. My responsibilities also included testing and marketing of various products of the company as well.

SKILLS

C++ Programming

Python

C Programming

Machine Learning

Deep Learning

Teaching

Data structure

Algorithms

POSITION OF RESPONSIBILITIES

Coordinator, IEEE student branch IIIT (03/2019 - Present)

Teacher ,Tech-blocks 4.1,5.1,5.2(Technical workshop for college students)

Host Ethnic Night(IIIT Cultural dance Fest-2018)

Host Impressions (IIIT Annual Fest-2019)

ORGANIZATIONS

Institute of Electrical and Electronics Engineers (05/2018 - Present)

Incapp (06/2018 - 10/2018)

Codules Technology Pvt Ltd (06/2019 - 07/2019)

BRIWO Solutions Pvt. Ltd (05/2020 - 07/2020)

ACHIEVEMENTS & CERTIFICATES

Coordinating Certificate(IEEE ,student branch IIIT) (05/2019 - 07/2020)

Machine Learning (ITBODHI) (06/2019 - 10/2019)

Python Technology (INCAPP) (06/2018 - 07/2018)

Problem Solving(Hackerrank)

Teaching Certificate(Tech blocks 4.1,5.1,5.2)

School Topper (XII - Science) 95% (PCM)

School Topper (X) 10 - CGPA

LANGUAGES

English

Full Professional Proficiency

Hindi

Full Professional Proficiency

INTERESTS

Machine Learning

Deep Learning

Environment Conservation

sports

Problem Solving