

Bhavnitt Singh

Machine Learning enthusiast, programmer and a passionate learner who's always willing to learn and work across technologies and domains. Ambitious and performance-driven, team player with experience in ML/AI algorithms, Python, IoT along with skills in management and creative development. I believe in leveraging technology to solve real-world problems and bringing an impact in the lives of people.

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WORK EXPERIENCE

Artificial Intelligence/ Data Science Intern

Bristlecone - A Mahindra Group Company

05/2020 - 07/2020

Mumbai, India

This was a training and Project-based Internship which included concepts like, ML, DL, Neural Networks and OpenCV.

Achievements/Tasks

- Created a 'Social Distancing Alert System', which helped workers to maintain a 2m distance failing which the system would be alerted.
- Designed an 'Automatic Number Plate Recognition Program' which could recognize and enter the details of cars entering and exiting the parking facility on the server.
- Designed a 'Decal Inspection System', to ensure the right decals are applied on the cars manufactured.

Volunteer

Gramiksha

09/2019 - 02/2020

Jaipur, India

Gramiksha is a pan-India NGO that works towards the upliftment of underprivileged children.

Achievements/Tasks

- Conducted a Fundraiser of Education Rights Awareness that raised an amount of Rs. 51,255 in a day.
- Taught underprivileged kids on topics like self-esteem, relation with family, cleanliness through 'Project Pankh Campaign'.

ML/DL Trainee

Cetpa Infotech PVT LTD

06/2019 - 07/2019

Noida, India

Achievements/Tasks

- Learned various machine learning and deep learning algorithms like KNN, Decision Tree Classifier, Support-Vector Machine, ANN, CNN, RNN, LSTM and their applications.
- Created an Object Detection Program using COCO Dataset, Open CV, Deep Learning.
- Created a Movie Recommendation System using Machine Learning.
- Created a Twitter Sentiment Analysis Program using Machine Learning.

EDUCATION

Mechatronics Engineering (B. Tech)

Manipal University Jaipur

07/2017 - Present

7.52 (Till 6th Semester)

TECHNICAL SKILLS

Python

Machine Learning

Deep Learning

Open CV

IoT

Data Analysis

C/C++

ACHIEVEMENTS

Chief Advisory (08/2019 - 10/2019)

Was the chief advisory in the annual cultural fest 'Oneiros'.

Organizing Committee Member (08/2018 - 10/2018)

Member of the organizing team of the main event ' War of Bands' in the annual cultural fest 'Oneiros'. Contacted and Invited bands and judges from all over India, set the stage and sound.

PERSONAL PROJECTS

Devanagari Handwritten Numerals Classification

(08/2019 - 04/2020)

- The project was based on classifying the Hand-written Digits using SVM-PCA Cascading.
- A 'Research Paper' will shortly be published based on this project in Springer.

Self Driving Car (07/2019 - 11/2019)

- Implemented the idea of Self-Driving Car using a small chassis car using a Master-Slave i2C Communication protocol between Raspberry Pi and Arduino.
- Created a custom model using RCNN, trained on objects and traffic lights which was then loaded on Raspberry Pi and input was taken from a V2 Camera module attached on top of the chassis.

LSTM Language Translator (07/2019 - 08/2019)

- Developed a Deep learning Model using LSTM to translate from French to English and vice-versa and various other languages.

Medical Chatbot (06/2019 - 07/2019)

- Created a medical chatbot that can be used to detect the type of disease when given the symptoms.
- It has been made using decision tree classifier.

IoT based Smart Home System (06/2018 - 08/2018)

- Developed a local setup using PICKit Microcontroller to control lights and fans present in a room using phone or laptop.

CERTIFICATES

IBM Data Science Professional Specialization (Coursera)

(09/2019 - 05/2020)

Learned various concepts of Data Science like data visualization, analysis, processing and database management.

Deep Learning Specialization (01/2020 - 04/2020)

Learnt various deep learning algorithms and how to improve them using hyperparameter tuning.

Embedded Systems and IoT Trainee (06/2018 - 07/2018)

Designed an IoT based "Smart Home System".

Grade 5 Pianist from ABRSM (Associated Board of the Royal Schools of Music), London, UK (01/2010 - 01/2015)