KRISHNA VEER SINGH

SENIOR YEAR B.TECH STUDENT

PERSONAL PROFILE

I am 4th year B.Tech computer science student. and self-motivated learner who loves to code in Python and C++ . My Objective is to pursue graduate studies in computer science and engineering, Leading to a career in research. I am interested in Artificial Intelligence and Machine Learning.

CONTACT

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○ https://github.com/KrishnaVeer7712?tab=repositories

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COMPUTER SKILLS

Programming Languages
Python, java, c++, Artificial Intelligence and Machine Learning, Deep Learning, MySQL, HTML, CSS, JavaScript

web application frameworks
Angular and Laravel

Software Packages
Mat lab, OpenCV

Platforms
Linux and Windows

Amazon Web Services and Google Cloud Platform

EDUCATION

B.Tech in computer science and engineering
2017-2021

Bennett university, Greater Noida   2017-present
CGPA: 6.88

Class XII CBSE
2016

Dr Maria Residential Public School, Agra
76%

Class X ICSE
2014

Ragendra Swarup Public School, Agra
82.4%

WORK EXPERIENCE

Artificial intelligence and Deep Learning Internship :
LEADINGINDIA.AI (SUMMER INTERN 2019)

From **May 27, 2019 to June 31, 2019**, I had worked on the Winton Stock Market Challenge ; Aim is to predict intra and end of the day returns using already given historical stock performance and a host of masked features, filtered noise data from the given dataset and used regression-based neural networks in Python to make stock predictions utilizing masked features.

Software Engineering Virtual Internship :
JPMORGAN CHASE & CO.

Over the period of **April 2020 to May 2020**, I has completed practical task modules in: Establishing Financial Data Feeds, Frontend Web Development, Data Visualization with Perspective.

NAVIGATION MAPPING Using HERE Map Creator
HERE TECHNOLOGIES (THREE MONTHS SUMMER INTERN, 2020)

In this Internship from **May 4, 2020 to July 31, 2020**, we are trying to doing updates in a specific area using HERE Map Creator. This updating includes Main House Number and points of interest on an API. Using this HERE Map Creator, we can add address, roads, buildings and we can also add places. Because of covid-19, our main focus is to create accurately 1200 km of road and the road that we created also have to be approved by HERE team members.

Faculty Development Program on "Data Science for ALL"
27 JULY - 8 AUGUST

Jointly organized by Electronics and ICT Academies - **NIT Warangal, IIITDM Jabalpur and NIT Patna** and Supported by Ministry of Electronics and Information Technology (**MeitY**), Govt. of India.

Faculty Development Program on "Deep Learning and its Applications"
17TH – 22TH JUNE, 2020

Organized by Electronics & ICT Academies, **NIT Patna** (Supported by Ministry of Electronics and Information Technology (**MeitY**), Govt. of India) .

CONFERENCES/ WORKSHOPS ATTENDED

- Workshop on **"Artificial Intelligence and Deep learning"** Conducted by ROYAL ACADEMY OF ENGINEERING And LeadingIndia.ai (2019).
- Completed International Workshop on **Big Data Analysis and Deep Learning**.
- Participated in International conference on **Machine Learning and Data Science (ICMLDS'17)**.
- Participated in the **ACM HACKATHON** on "Digital Bennett ".
- Participated in workshop on **"Hands-on session App Development"**.

PROJECTS

MAJOR PROJECTS

Digits classifications using Electroencephalography signals-
MACHINE LEARNING

This project was selected for the project exhibition conducted by "Times Of India" in Bennett University,
EEG(electroencephalogram) measures (volts) electrical activity generated by the activity of neurons in the brain. Waves at specific frequency patterns are examined for arriving at results.We are trying to solve the existing problems in the classification of brain signals to digits (0-9). We aim to classify digits on a standard dataset named "MindBigData".Our proposed approach is to fit the available models with machine learning methods like LSTM(LongShort-Term-Memory) and SVM(Support Vector Machine) to attempt in increasing the accuracy obtained in data analysis and digit prediction. The results obtained show the accuracies which were achieved with the classification techniques. 90% for the training set and 90% for the validation set. The proposed method was effective for multiclass EEG signal recognition.

Election Decentralized Application
BLOCKCHAIN

Decentralized application, or dApp, on the Ethereum blockchain, write Ethereum smart contract, where we'll hold an election between two candidates, write tests against the smart contract, deploy it to the Ethereum blockchain, and develop a client-side application that allows accounts to cast votes.

Future Stock Prediction using Neural Networks
DEEP LEARNING

The purpose of this project is to take on the Winton Stock Market Challenge on Kaggle sponsored by Winton Capital. The aim of this challenge is to predict intra and end of the day returns using already given historical stock performance and a host of masked features.The different approaches adopted in this project utilize regression using Neural Networks to make future predictions of stock returns, whose performance is measured by loss and Mean Square Error. In order to predict the future stock returns, given the data, the best fitting models would be Long Short Term Memory Networks and the Sequential Model.

MINOR PROJECTS

Payroll Management System
C++

In "Payroll Management System" using C++, User can add new employee details, displays employee details, can see list of employees, can modify or delete records and also print Salary Slip.

Analysis of Global Terrorism Database and Predicting upcomming terrorism attacks-
ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

In this project we had analyse Kaggle "Global Terrorism   Database" using Pandas in python and then we will predict in which city Upcoming Terrorism attacks are going to happen in different areas using different models of Regression like CART, Linear Regression, Polynomial Regression, Neural Networks, Random Forest

OTHER PROJECTS

Shopbyte(Online shopping system)
ANDROID STUDIO AND FIREBASE

In fourth Semester I had made Android app "Shopbyte (Online Shopping System) " . I use Android studio and Firebase. Some features of projects are Join Now, Sign up, Sign in and Skip button. Here we also require Verification after Join. Only verified users can use this app.

sports reimbursement system
JAVA AND MYSQL

In Third Semester I had made "sports reimbursement system" in Java and MySql for Bennett University. In this project we had made registration and login form where students can register for an events happening in bennett university and after that they can login and check progresses of every participant.

Salary Calculation System with invoice
PYTHON

In First year i had made "Salary Calculation system with invoice" in python. Employee has to type Name, Address, Employer, Nil Number, Hours Worked, Hourly Rate, Tax, Overtime, Gross Pay and Net Pay to get Weekly Salary and to view Payslip.

ONLINE COURSES / CERTIFICATIONS

- Foundational Artificial Intelligence (an **industry recommended** and validated course aligned to **SSC NASSCOM** Foundation AI curriculum).
- Blockchain Basics (an online non-credit course authorized by **University at Buffalo and The State University of New York** and offered through Coursera).
- Blockchain Essentials by **IBM**.
- FUNDAMENTALS OF DEEP LEARNING FOR COMPUTER VISION (By **NVIDIA DEEP LEARNING NSTITUTE**) .
- **Google Cloud Platform** Fundamentals: Core Infrastructure .
- Fundamentals of Parallelism on Intel Architecture (By **Intel Software**) .
- The Data Scientist's Toolbox(By **Johns Hopkins University**, offered through Coursera)
- Programming for Everybody (By **University of Michigan**, offered through Coursera)
- How to Build Chatbots (provided by **IBMDeveloperSkillsNetwork**).

PUBLICATIONS

- **Powerful methods to Visualize Your Data** (Medium) :
  A short read on analysis of Global Terrorism database and predicting upcoming terrorism attacks using different models of Regression like CART, Linear Regression, Polynomial Regression, Neural Networks, Random Forest ..
  (https://medium.com/@ks7712/analysis-of-global-terrorism-database-and-predicting-upcoming-terrorism-attacks-using-with-6de9948db2d).
- **Blockchain in the supply chain 2020** (Medium) :
  A short read on smart contract, blockchain, how blockchain can transform the supply chain, viability of blockchain for supply chain, why are companies implementing blockchain in their supply chain and top 5 blockchain use cases for the supply chain.
  (https://medium.com/@ks7712/blockchain-in-the-supply-chain-2020-f96101dc5e14)