



ANTRA TRIPATHI

B.Tech CSE
Data Science Enthusiast

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PROFILE

I am currently pursuing B.Tech in Computer Science Engineering from NIIT University with specialization in the domain of Data Science. I like programming and exploring new technologies. I am a keen observer and a quick learner. To quench my curiosity, I keep trying and learning new stuff on my own. I am a confident, passionate and hardworking person in technology, who tries to bring best out of whatever she does. My leadership qualities give me an upper hand. Apart from these, I am a Photographer and an Artist at heart!

EXPERIENCE

PHOTOGRAPHY CLUB LEAD

NIIT UNIVERSITY | JAN 2018 - DEC 2018

- Official Photographer of the University
- Handling University's Photography Portfolio
- Organizing Photography Exhibition and Annual Photography trip

CREATIVE HEAD- SINUSOID'17

NIIT UNIVERSITY | JAN 2017 - JAN 2018

- siNUoid is the Annual Technical Festival of NIIT University started last year by a bung of tech enthusiast.
- I was the one of the founding member of siNUoid'17.
- We try to build a platform which provides an opportunity for every necessity to become an invention.

MEMBER OF PRESIDENT ADVISORY BOARD

NIIT UNIVERSITY | SEP 2016 - PRESENT

- Student representative to the President of the University
- Bringing up student issues to the President.
- Help in drafting and developing efficient solutions for them.
- MOM keeper

FIREFOX STUDENT AMBASSADOR

MOZILLA | MAR 2016 - DEC 2017

- Obtain roles on campus and in Mozilla community
- Work with other tech community and Mozilla staff to organize technical events, and creating awareness about open source society.

STUDENT MENTOR- INDUCTION PROGRAM

NIIT UNIVERSITY | JULY 2016 - JUNE 2017

- Providing guidance to the new B.Tech Undergraduate of class of 2016.

CAMPUS AMBASSADOR- IRIS 2016

IIM INDORE | OCT 2016 - NOV 2016

- IRIS- The Cultural and Management fest of IIM -I. I was chosen as campus ambassador for promoting this event in our college NIIT University.

SKILLS

- Python
- Machine Learning
- HTML5/CSS3
- Java
- Android Development
- C\C++

OTHER SKILLS:

- Photography
- Leadership Qualities
- Creative and Artistic
- Sports

PROJECTS DONE

• R&D : KERNEL LEVEL IMPLEMENTATION OF HADOOP | JAN 2018

Hadoop, a Java-based programming framework that supports the processing and storage of extremely large data sets in a distributed system. So the motive of this research is to find why it is not implemented at the kernel level, what are the difficulties and how to implement it.

• CAPSTONE: COMMUNITY PORTAL | JAN 2018

To build an interactive and dynamic coding/blog platform where we can share/reuse the written code. The aim of the project would be to build a WebApp(Website) for putting learned codes/Algorithms /knowledge repository live for everyone to use.

• UIDAI AADHAR DATASET ANALYSIS | JAN 2018

This project was part of the course big data concepts. The aim of the project was to analyze the aadhar dataset of more than 5 lakh records using Hadoop MapReduce and Hive.

• MACHINE LEARNING FOUNDATION NANODEGREE PROJECTS | JAN 2018

- **Udacity-Project-Bike-Share-Analysis:** Explored data of 3 bike-share systems, performed data wrangling and compute descriptive statistics.
- **Udacity-Predicting-Boston-Housing-Prices:** Built a model to predict the value of a given house in the Boston real estate using various statistical analysis tools.
- **Udacity--Project-Investigate-TMDB-Movies-Dataset:** Analyzed a dataset and then communicate the findings about it, then used NumPy and Pandas to answer that question based on the data and created a report to share the results.
- **Udacity-Test-a-Perceptual-Phenomenon-Stroop-Effect:** Analyzed the Stroop effect using descriptive statistics to provide an intuition about the data, and inferential statistics to draw a conclusion based on the results.

• ENCRYPTION DECRYPTION TOOL | OCT 2017

Keeping this real-life problem in mind we have decided to make a tool which can encrypt and decrypt a specific file. The languages used is Java and JavaFX. Techniques: caesarCipher, vigenereCipher, transpositionCipher and Blow-fish.

• VITT: DAY TO DAY PERSON FINANCIAL MANAGEMENT APPLICATION | OCT 2017

VITT is a simple Android Application which is aimed at those users who would like to keep a track of their day to day personal finance. Easy operable, with no dependency on any other software.

• DATABASE FOR MANAGING STUDENT INFORMATION IN COLLEGE | JAN 2016

Student Information Database System (SIDS) - provides a simple interface for maintaining the student's record (both academics and non-academics), created using MySql RDBMS and optimized using different normalization techniques.

- **VOICE CONTROLLED BOT | OCT 2016**

This project was part of my DLC(digital logic circuit). We made a voice-controlled bot using Arduino UNO and Bluetooth module HC-05. This bot executed the voice command into mechanical movements.It has nine functionality

- **PBL- INFLATION IN HOTEL INDUSTRY | MAR 2016**

PBL is a project-based learning assignment in Economics. My topic was Inflation in Indian Hotel Industry, in which I had to come up with a case study on the given topic with supporting statistical data.

EDUCATION

B.TECH CSE, SPECIALIZATION IN DATA SCIENCE

NIIT UVIVERSITY | 2015 - 2019 CGPA: 7.75

INTERMEDIATE - ISC

IPEM INTERNATIONAL SCHOOL | 2013 - 2015 Percentage: 90%

HIGH SCHOOL - ICSE

IPEM INTERNATIONAL SCHOOL | 2004 - 2013 Percentage: 89%

INTERNSHIP TRAINING

ANDROID APPLICATION DEVELOPMENT

TECHNEX -IIT BHU | JUNE 2017- JULY 2017

Android App Development : Using Eclipse and Android Studio

ONLINE TRAINING

MACHINE LEARNING FOUNDATION NANODEGREE PROGRAM

UDACITY | JAN 2018- APR 2018

Python Programming, Descriptive Statistics, Linear Algebra, Inferential statistics, Evaluation and Verification

HADOOP FOUNDATION- LEVEL 1

IBM- COGNITIVE CLASS | JAN 2018

Basis of Hadoop architecture and Hadoop Distributed File System (HDFS) using IBM BigInsights.

BIG DATA FOUNDATION- LEVEL 1

IBM- COGNITIVE CLASS | JAN 2018

Basis understanding of Big Data concepts and their applications

NPTEL ONLINE CERTIFICATION

SOFT SKILLS | NOV 2017

Soft skill course designed by IIT-Roorkee

COMPLETE ANDROID N DEVELOPER COURSE

UDEMY | SEP 2017

Android App Development : Android Studio

HTML AND CSS FOR BEGINNERS - BUILD A WEBSITE & LAUNCH

UDEMY | FEB 2017

Learned HTML, CSS and Java script