



BRIEF OVERVIEW / CAREER OBJECTIVE / SUMMARY

Goal-oriented individual with a tenacity that knows no restrictions. Motivated Data Science and Blockchain enthusiast, good at juggling multiple tasks and willing to meet or exceed the goals and company expectations. Apart from technical skills, I work well with people and am passionate about things that encourage me.

KEY EXPERTISE / SKILLS

Research Interpersonal Communication Decision-Making Team Management Creative Flexible Critical Thinking
Project Management Skills Project Planning Technical Writing Productivity Organization Time Management Big Data Analytics
Data Analysis Blockchain Cloud Computing Data Visualization Hadoop Big Data

EDUCATION

Jaypee Institute of Information Technology, Noida M.Tech. - Computer Science & Engineering Percentage: 84.00 / 100.00	2019 - 2021
ABES Institute of Technology B.Tech. - Information Technology Percentage : 76.80 / 100.00	2015 - 2019
Amity International School, Noida, Noida 12 th CBSE Percentage: 72.00 / 100.00	2015
Amity International School, Noida, Noida 10 th CBSE CGPA: 9.40 / 10.00	2013

AWARDS AND SCHOLARSHIPS

- Award for getting an Honours Bachelor Degree along with cash prize

INTERSHIPS

The Spark Foundation, Singapore Key Skills: Big Data Analytics Data Visualization Data Science Databases	Aug. 1, 2020 - Present
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PROJECTS

Time Series Weather Forecasting Of Delhi Using ANN and PSO algorithm Mentor: Dr. Anuja Arora Team Size: 2 Key Skills: Algorithms Genetic Algorithms Artificial Neural Networks Prediction of the weather of Delhi by training the ANN using PSO which is an evolutionary algorithm.	Jan. 1, 2020 - May 1, 2020
Fashion Recommender System Mentor: Dr Pawan Singh Mehra Team Size: 2 Key Skills: NLP NLTK Natural Language Processing Neural Networks A personalized recommendation engine that includes color, brand, type and image apparel and is evaluated using the Euclidean distance values calculated between the input apparel to the output apparel.	Jan. 1, 2020 - May 1, 2020
A deep learning model for the classification and detection of COVID-19 on CT-scans Mentor: Dr Pawan Upadhyay Team Size: 1 Key Skills: Deep Learning Image Processing Image Segmentation Digital Image Processing A deep learning model for the prediction of whether a person is affected with COVID-19 by analyzing his/her CT Scan data.	March 28, 2020 - April 30, 2020
Analysis and Visualization of COVID-19 Mentor: Dr. Neetu Sardana Team Size: 2 Key Skills: Python Data Science Big Data Analytics Data Analysis Data Visualization	March 2, 2020 - April 1, 2020

Analysis of the number of COVID-19 cases in India and determination of the most accurate classifier for the prediction.

Air quality analysis of India

Oct. 1, 2019 - Nov. 1, 2019

Mentor: Dr Parmeet Kaur | **Team Size:** 2

Key Skills: R Cassandra Big Data Analytics Data Science Data Visualization Databases

Analysis of the air pollution levels in India and determination of the factors contributing to the pollution the most via data visualization using R.

Twitter Sentiment Analysis

Oct. 1, 2019 - Nov. 1, 2019

Mentor: Dr. Sandeep Kumar Singh | **Team Size:** 4

Key Skills: Python Sentiment Analysis Twitter API Twitter

Analysis of brand performance through the brand reviews having tweet mentions of brand i.e., Positive or Negative. A strategy for brand promotion on the basis of it was also proposed.

Supply Chain Management of Coffee Retailer Network Using Blockchain

Aug. 1, 2019 - Nov. 1, 2019

Mentor: Dr. P. Raghu Vamsi | **Team Size:** 1

Key Skills: Blockchain Smart Contracts solidity NodeJS

A Blockchain application that increases visibility and efficiency in the supply chain network of a coffee retailer, giving you a taste of traceable and trackable coffee trade.

Infinity Glove- IoT based smart glove

Aug. 1, 2018 - May 1, 2019

Mentor: Dr. Shivani Sharma | **Team Size:** 4

Key Skills: Internet of Things Internetworking Smart Glove Arduino UNO Arduino Sensors Bluetooth

An IoT based smart wearable glove to control the device via gesture recognition, removing the communication barrier between the specially challenged people and the normal people by providing them an interface.

PUBLICATIONS / RESEARCH / WHITE PAPERS

Blockchain Implementation Of Supply Chain Management for Coffee Retailer Network

Nov. 2020

Conference Paper | 2020 Sixth International Conference on Parallel, Distributed and Grid Computing (PDGC) |

Mentor: Dr. P. Raghu Vamsi | **No. of Authors:** 1

Key Skills: Blockchain solidity smartcontracts IBMHyperledger SCM

Blockchain is a trusted distributed ledger shared across the business processes. Blockchain technology focuses on automating tasks in a distributed environment. The technology of Blockchain could be efficiently used in the sector of supply chain management and has turned out as the best alternative in comparison to the traditional paper-based systems. Proving as one of the effective platforms, it helps in mapping the physical commodities to the digital ledger. A digital ledger is like an electronic register for storing the transactions that are taking place among various nodes/commodities. The physical commodities include suppliers, gatherers/manufacturers, exporters, consumers and distributors wherein the distributor plays a major role in determining the product standards. Supply chain management platforms requires a lot of involvement of different individuals on a larger scale and hence the project deals with mapping the physical commodities or the entities in the supply chain management of coffee into a digital ledger so that all the required tasks performed by the individuals can be collated and verified. This would also help in reduction of the paper work in the supply chain management of coffee and ease in validating all the transactions between the physical commodities like Gatherers/Manufacturers, Supplier, Distributors and Consumers. In short, we can say that Blockchain technology can bring transparency, sustainability and efficiency to the coffee industry.

Infinity Glove- IoT Based Smart Glove

May 2019

Research Paper | JETIR | **Mentor:** Dr. Shivani Sharma | **No. of Authors:** 5

Key Skills: Internet of Things Internetworking Arduino UNO Sensors Smart Arduino Python

Internet of Things (IoT) has brought in a new era of smart and portable devices. IoT lays the foundation for futuristic communication standard and integrates various microcontrollers, sensors and all types of communication protocols, enabling "Human-Things Interaction". The aim of the project is to highlight the futurism in Internet of Things (IoT) and in addition to this, an Infinity Glove-An IoT based smart wearable gadget capable to perform various tasks like controlling the devices via gesture recognition, removing the communication barrier between the specially-challenged people and the normal people by providing them an interface and to perform custom tasks according to your needs, has been proposed. Infinity Glove is a glove that can be integrated in the field of automation where one can automate things without getting in direct contact of the machines/appliances that are to be automated or controlled. Infinity Glove is implemented in such a way that it is energy efficient and is a solution to the need for automation.

A Review Paper on Regulating Bitcoin Currencies

Jan. 2018

Review Paper | IJRASET | **Mentor:** Dr. Bipin Kumar Rai | **No. of Authors:** 3

Key Skills: Bitcoin Blockchain Cryptocurrency Cryptography Technical Writing Review Literature

Before the advent of Bitcoin, there was no mechanism to allow any two willing parties to make transactions between them without any involvement of a third party. Third parties were included in the process to prevent fraud. Hence, involving a third party meant extra charges for transaction which is a downside of the present online transaction system. Double-spending is an issue of digital currencies because digital tokens can be replicated easily and the transaction parties cannot verify the bona fides of the digital currency. Bitcoin has a procedure to prevent double-counting and check the authenticity of each transaction. Bitcoin cryptocurrency is based on the concept of cryptography, blockchain and peer-to-peer version of electronic cash. The Bitcoin network is growing significantly as there are no prerequisites required for making an account or investment in Bitcoin so it is

basically a network open for all. Bitcoin is the first decentralized digital currency which is the reason for its popularity. This cryptocurrency opens up a whole new platform for financial transactions.

ACHIEVEMENTS

- Founder Of IT Technical Club in my graduation college
- Among the top 5 student throughout the B.Tech degree
- Graduated with an honours degree
- Event organizer of National Level BigDatathon contest

ASSESSMENTS / CERTIFICATIONS

Reliable Google Cloud Infrastructure: Design and Process

Aggregate: 100.0 / 100.0

Subjects: Reliable Google Cloud Infrastructure: Design and Process (100.0 / 100.0)

Key Skills: Google Cloud Platform Google Cloud Cloud Computing

Google cloud

Essential Google Cloud Infrastructure: Core Services

Aggregate: 99.1 / 100.0

Subjects: Essential Google Cloud Infrastructure: Core Services (99.1 / 100.0)

Key Skills: Google Cloud Cloud Computing

Google Cloud

Google Cloud Platform Fundamentals: Core Infrastructure

Aggregate: 100.0 / 100.0

Subjects: Google Cloud Platform Fundamentals: Core Infrastructure (100.0 / 100.0)

Key Skills: cloud computing google cloud

Google Cloud

Blockchain: Foundations and Use Cases

Aggregate: 95.25 / 100.0

Subjects: Blockchain: Foundations and Use Cases (95.25 / 100.0)

Key Skills: Blockchain

Consensys Academy (Coursera)

Introduction to Ethereum DeFi Smart Contract Security & Exploits

Aggregate: 100.0 / 100.0

Subjects: Smart Contract (100.0 / 100.0)

Key Skills: ethereum Blockchain defi Security solidity

Coursera Project Network

The Data Scientist’s Toolbox

Aggregate: 100.0 / 100.0

Subjects: The Data Scientist’s Toolbox (100.0 / 100.0)

Key Skills: Github RStudio R Data Science

John Hopkins University (Coursera)

Deep Learning Inference with Azure ML Studio

Aggregate: 100.0 / 100.0

Subjects: Deep Learning Inference with Azure ML Studio (100.0 / 100.0)

Key Skills: Deep Learning Microsoft Azure Data Science Machine Learning Artificial Intelligence

Coursera Project Network

Essential Google Cloud Infrastructure: Foundation

Aggregate: 99.22 / 100.0

Subjects: Essential Google Cloud Infrastructure: Foundation (99.22 / 100.0)

Key Skills: Google Cloud Cloud Computing

Google Cloud

Elastic Google Cloud Infrastructure: Scaling and Automation

Aggregate: 97.5 / 100.0

Subjects: Elastic Google Cloud Infrastructure: Scaling and Automation (97.5 / 100.0)

Key Skills: Google Cloud Cloud Computing

Google Cloud

Smart Contracts

Aggregate: 94.0 / 100.0

Subjects: Smart Contracts (94.0 / 100.0)

Key Skills: Blockchain Contracts Smart solidity

University at Buffalo (Coursera)

SEMINARS / TRAININGS / WORKSHOPS

FDP on "Blockchain and It's Applications"

Aug. 10, 2020 - Aug. 14, 2020

Institute Name: Ajay Kumar Garg Engineering College

Key Skills: Blockchain Application Application Lifecycle Management

IIC Online Sessions (Innovation, IPR, Entrepreneurship, and Start-ups)

April 1, 2020 - May 19, 2020

Institute Name: Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi

Key Skills: Entrepreneurship Innovation Start-ups Ideas

Advanced Networking and Cyber Security

Jan. 1, 2019 - June 28, 2019

Institute Name: Kratikal Pvt. Ltd.

Key Skills:

Penetration Testing Web Application Security Ethical Hacking Cyber Security Information Security Cloud Security
Computer Security

Python with Machine Learning

June 11, 2018 - July 20, 2018

Institute Name: ABES Institute of Technology

Key Skills: Python Image Processing Machine Learning AI

Machine Learning

Jan. 20, 2018 - Jan. 20, 2018

Institute Name: CETPA

Key Skills: Machine Learning Image Segmentation Digital Image Processing

CO-CURRICULAR ACTIVITIES

- Brown belt in Karate

PERSONAL INTERESTS / HOBBIES

- Food Blogging, Potrait Photography, Learning new tech

IMs

- Other - <https://www.linkedin.com/in/urshila-ravindran-9939b2152/>

PERSONAL DETAILS

Gender: Female

Marital Status: Unmarried

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