

ISHITA MUKESH GUPTA



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Education

- **B.Tech Computer Science Engineering (IBM Specialization - Big Data Analytics)**
Ganpat University - ICT, Ahmedabad, **CGPA: 9.67/10 (University Rank - 1)** **2019-23**
Scholarship Awardee for 1st University Rank
ONGC Scholarship for Meritorious Students Awardee
- Airport School, Ahmedabad(HSC) (PCM) (83%) **2018-19**
- DAV Centenary Public School, Jaipur (SSC) (10 CGPA) **2016-17**

Experience

- **Data Scientist Intern, Jio-Embibe** **Jan-May'23**
 - Automatic Video Generation through AI to generate the video solutions of questions present in the DB using Manim, Wav2Lip, Azure TTS.
 - Cron-Job creation for Sending automated emails with automatically generated word files through Fast APIs and Python's Libraries (Python-docx)
 - Developed an end-to-end tagging/benchmarking framework for Cross-Encoders, OCR Models (Mathpix and GCV), LaBSE, IndicTrans Models etc.
 - Implementing Automatic OMR sheet Evaluation for Embibe School APP using Open CV (Canny, Four_point_transform, thresholding, etc.)
 - Dataset Preparation, Transformation, and Pre-processing and Conversion of Doc2Query and Spell Checker Models into ONNX format.
 - Search Terms Categorization Using Fast Clustering
- **Tableau Instructor, Udemy** **Oct 22 - Present**
 - 8K+ Students engaged all over the world to learn Tableau Fundamentals, Dashboard and Story Creation, etc.
- **Data Science & Business Analytics Intern, Sparks Foundation** **Apr-May'21**
 - Worked on supervised and unsupervised machine learning algorithms (Linear Regression).
 - Performed EDA and data pre-processing and Data Visualization
 - Model creation and evaluation.

Technical Skills

- **Programming Languages:** Python, SQL
- **Databases:** MS SQL server, MongoDB
- **Analytical Tools:** Tableau, Power BI, Advance Excel
- **Statistical:** Machine learning, Anova, Probability, Regression, Different tests (T-test, Z-test, chi-square test)

Projects

- **Not So Dumb Diary (Technical Stack - R/Flex-Dashboard/Shiny) :**
Meaningful insights about the person's mental state, toxic relations and emotions using NLP and Emotional/Sentiment Analysis (NRC, TinyText)
- **Best Data Visualization Hack** in 'Data Day Grind 2.0 2021' Hackathon Powered by **MLH** (Major league Hacking).
- **Being Diabetes Cautious (Technical Stack - Python) :**
Predicts the chances of a person being on the verge of becoming a Diabetic on the basis of several factors using Random Forest Classifier.
- **Connect - An Automated Pairing Software (Technical Stack - Flask) :**
Automated pairing software designed for mentorship, solving issues for organizations supporting diversity in tech using Pandas and Numpy.
First Runner-Up at Hack4Good organized by **IEEE CIS SBC** with over 900+ participants and 350+ teams competing
- **GoingPhishing (Technical Stack - Flask) :**
A Web-Application that implements K-Means Clustering at the backend, and send instant WhatsApp alerts on anomaly detection.
Most Creative Use of Twilio in 'A Hack A Day 2' Hackathon Powered by **MLH** (Major league Hacking), **Best Designed Hack** at Coding Conquest 2022
- **CropDoc (Technical Stack - Flask and Python) :**
An ultimate crop doctor for finding the ideal crop for the soil along with plant disease detection using Tensorflow, Keras and SGDClassifier.

Certificates

- **HackerRank Gold Badges** in Python and SQL
- **Data Camp Certifications-SQL** (Introduction, Joining Data, Intermediate SQL, Relational DataBase, Functions For Manipulating Data In PostGre SQL)
- Data visualization and communication with **Tableau** (Coursera)
- **Data Science with Python by IBM** (Machine learning, analyzing data, visualization)
- **Cisco CCNA** Certifications (Introduction to Networks, Switching, Routing, and Wireless Essentials)
- **Spoken Tutorial (IIT Bombay) Certifications** (Completion of RDBMS PostgreSQL, Python Training)
- **IBM Developer Skills Network Certifications** (Predictive Modeling Fundamentals-I, Hadoop 101, Big Data 101)
- **AWS Graduate Academy** (AWS Cloud Foundations, AWS Cloud Architecting, AWS Machine Learning)
- **Data Camp Certification in MongoDB** (Introduction to MongoDB in Python)

Research Papers

- **Analyzing and Applying Human Perception to Generate Neuro-symbolic art** (Indexed by **Scopus** and **Crossref**)
- **Brace: A pairing algorithm for mentorship using compatibility score** (submitted to ICAIoT2022 IEEE-Turkey)