

# Ankita Singh

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## EDUCATION

### Indian Institute of Technology (ISM)

Master of Science - Mathematics and Computing

- CGPA: 3.22/4.0 (4-point scale)

Dhanbad, Jharkhand

Aug 2022 - May 2024 (Expected)

### Patna Women's College

Bachelor of Science - Mathematics (Hons.)

- CGPA: 3.9/4.0 (4-point scale)

Patna, Bihar

April 2019 - April 2022

## TECHNICAL SKILLS

**Programming Languages:** C++, Python (including Libraries Numpy, Pandas, Matplotlib, Streamlit, Sklearn)

**Data Structures and Algorithms, Design and Analysis of Algorithms, Database Management System**

**Analytical Skills:** Data Analytics, Data Visualization, Data Mapping, Data Insight, Statistics, Quantitative Analytics

**Tools:** Excel, Tableau, Web Scraping, SQL, GCP storage, Big Query, Looker Studio, AWS, Tensorflow

**Statistical Analysis:** Probability, Inferential statistics, Time-Series Analysis

**Machine Learning:** Supervised and unsupervised machine learning methods, natural language processing, and semantic analysis

**Soft Skills:** Communication, Problem-Solving, Research, Teamwork, Project Management, Leadership

**Other Skills:** Cryptography, DeFi, Basics of Blockchain, Distributed Systems

## PROJECTS

### Uber Data Analytics Project 📄

December 2023

Google Cloud Platform (GCP), Big Query, Looker Studio

- Leveraged data analytics skills to analyze Uber data using tools such as Google Cloud Platform (GCP) Storage, Python, Big Query, and Looker Studio.
- Applied advanced mathematical and statistical techniques to extract valuable insights from intricate datasets.

### Stock Market Data Analysis 📄

August 2023

Amazon Web Services (AWS), Apache Kafka, AWS Glue, Athena, SQL

- Implemented a comprehensive end-to-end data engineering solution to process and analyze real-time stock market data.
- Utilized a diverse set of technologies, including Python, Amazon Web Services (AWS), Apache Kafka, AWS Glue, Athena, and SQL, showcasing proficiency in integrating various tools for effective data management and analysis.

### Sentiment Analysis on Amazon Review 📄

September 2023

Natural Language Processing (NLP), Python

- Conducted sentiment analysis on Amazon reviews, employing Natural Language Processing (NLP) to extract key customer insights.
- Utilized advanced analytics techniques to deepen product understanding and inform strategic decision-making.

## ACHIEVEMENTS

MTTS 2021 Member (Mathematics Training and Talent Search Programme)

Secured All India Rank (AIR) 535 in IIT JAM 2022

## RELEVANT COURSEWORK

- **Courses:** Data Structures and Algorithms, Database Management System, Data Analytics, Design and Analysis of Algorithms, Data Mining, Probability and Statistics, Inferential Statistics.
- **Online Certifications:** Machine Learning Specialization, Coursera 📄 ; Supervised Machine Learning: Classification and Regression, Coursera 📄 ; Advanced Learning Algorithms, Coursera 📄 .