

# Mayank GUPTA



## PROFILE

Experienced in **data science** internship at Corizo and as a senior researcher at IDYIA, showcasing adaptability and analytical skills. Actively involved in extracurricular activities as a core member of the SST Ted Talk Tribe. Currently pursuing a combined BSc + MSc program at Scaler School of Technology, affiliated with BITS Pilani, with a perfect score of 100 in Computer Science in the CBSE 12th board exam, placing in the top 1% nationwide.

## CONTACT DETAILS

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## LANGUAGES

- Java, Java Spring Boot
- MySQL, Python and Python Libraries
- HTML, CSS, JavaScript
- Node.js, Express.js

## SKILLS & INTERESTS

Backend Development  
Statistical Data Analysis & Data Visualization  
Machine Learning

## INTERNSHIPS & PROJECTS

### DATA SCIENCE INTERN at Corizo - Certificate

- ◇ Implemented effective data pre-processing methods using techniques such as normalization, scaling, feature selection, dimensionality reduction, and handling categorical data.
- ◇ Conducted statistical analyses and created impactful data visualizations.
- ◇ Enhanced data wrangling techniques often tackle real-world data challenges such as handling missing data, data transformation, cleaning, outlier detection, integration, time series handling, and feature engineering.

### YOUTUBE COMMENTS SCRAPER - Project Link

- ◇ Scrapes comments from a YouTube video, converts them into vector embeddings using a pre-trained Sentence Transformer model.
- ◇ Stored these embeddings in a FAISS index in text format for efficient vector-based similarity search, by using Python via Jupyter notebooks.

### VEHICLE SERVICE MANAGEMENT - Project Link

- ◇ Developed a comprehensive backend system for scheduling, maintaining, and tracking vehicle services, including CRUD operations for vehicles, services, and service providers, using Java and the Java Spring Boot framework, along with third-party applications like Postman and FakeStore.

### QUIZ WEBSITE - Website Link

- ◇ Built a static website using HTML, CSS & JavaScript for 10 multiple choice GK questions that appear in randomized order, and calculate and display the final score.

### CASE STUDY ON YULU - Project Link

- ◇ Performed a study on YULU company data using Google Colab and Python libraries such as Pandas, NumPy, and Matplotlib for data cleaning and analysis.
- ◇ Identified the variables significant in predicting the demand for and the impact of electric cycles in the Indian market.

### CUSTOMER DATA ANALYSIS OF AEROFIT - Project Link

- ◇ Identified customer characteristics based on the products purchased.
- ◇ Provided insights & recommendations on the business impact of the above.

## EDUCATION

### BACHELOR OF SCIENCE + MASTER OF SCIENCE

Scalar School of Technology, with Birla Institute of Technology and Science

2023–Present

- ◇ Computer Science Major

### 10TH + 12TH, HIGH SCHOOL

BGS National Public School (CBSE)

2019–2023

- ◇ 90% in 12th

- ◇ 9 CGPA in 10th

## EXPERIENCES

### CORE MEMBER, Ted Talk Tribe @ SST

Jan 2024–Present

- ◇ Managing the logistics of the college newsletter, ensuring smooth coordination of scheduling and participant engagement in various club activities as a core member.

### SENIOR RESEARCHER, IDYIA

Aug 2022–Feb 2023

- ◇ Researched and curated content on topics spanning several domains aiming to educate through social media.