

Mayank GUPTA



PROFILE

Experienced in **data science** internship at Corizo and as a senior researcher at IDZIA, 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 data pre-processing methods using techniques like normalization, scaling, feature selection, dimensionality reduction, and handling categorical data.
- ◇ Conducted statistical analyses and created impactful data visualizations.
- ◇ Enhanced data wrangling techniques, tackling real-world data challenges, viz., 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.
- ◇ Store 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 like 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, and created a customer profile for each treadmill through tables and charts.
- ◇ 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.

SENIOR RESEARCHER, IDZIA

Aug 2022–Feb 2023

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