

# Soumyadeep Ganguly

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in Soumyadeep Ganguly    📄 Soumyadeep002

## Education

### Vellore Institute of Technology, Vellore

July 2024 – Present

*M.Sc. in Data Science*

- CGPA: 8.67/10.0
- **Coursework:** Statistics, Deep Learning, Data Visualization

### Maulana Abul Kalam Azad University of Technology, West Bengal

Oct 2021 – July 2024

*B.Sc. in Information Technology (Specialized in Data Science)*

- CGPA: 9.19/10.0
- **Coursework:** OOP, Operating System, Machine Learning, IoT

## Experience

### Machine Learning Intern

Remote

*Yhills EduTech*

July 2023 – Aug 2023

- Learned about Data Visualizaion
- Machine Learning application in industries
- Did project on classification and regression problem with real data.

## Publications

### Performance Analysis of Indian Railway Zones using MCDM Approaches

Oct 2024

*Soumyadeep Ganguly*, Sugata Ray Chaudhury, Abheek Mukherjee, Amalendu Si

[10.31181/dma31202549](https://doi.org/10.31181/dma31202549) [🔗](#)

## Projects

### Health Monitoring System of Factory Workers using IoT

June 2024

- Designed an IoT wearable health monitoring device to ensure worker safety in real time.
- Developed a two-level system with health risk notifications.
- Applied machine learning to predict health trends to avoid crises.
- Tools used: MQTT, ESP8266, Python.

### Performance Analysis on Indian Railway Zones using MCDM

Sept 2023

- Used statistical model to assign rank to each Indian railway zone based on their performance, analyzing various quantitative criteria.
- Based on their ranks, provided a comprehensive study to suggest better investment for more profit generation.
- Tools used: Excel, Python

View project: [Project Paper](#) [🔗](#).

## Technologies

**Languages:** Python, C, PHP, SQL, JavaScript

**Technologies:** Tableau, Power BI, Flask Server, MySQL, Arduino