

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: 8.73/10.0
- **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

Backend Developer

Remote

Barracksbuddy <https://barracksbuddy.com/> [🔗](#)

October 2024 – Present

- Developed the Barracksbuddy website.
- Developed the complete LMS system.
- Learned about Version Control and Production Management.

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: Microsoft PowerBI, Microsoft Excel, Tensorflow, Flask, Laravel, Express JS, MySQL, Arduino