

MANISH RANA

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Technical Skills

Languages: Java, Python

Machine Learning: Regression Models, Classification Models, Clustering

Deep Learning: Neural Networks, Natural Language Processing, Computer Vision

Data Analytics & Visualization: SQL, Qlik Sense, Tableau, Matplotlib, Seaborn, Pandas, NumPy

Version Control: Git, GitHub

Certifications

- **Geo-data Processing using Python** by IIRS-ISRO, February 2024
- **Applied Machine Learning** by Coursera, December 2023
- **Google Cloud Foundations** by Google, October 2023

Education

Vellore Institute of Technology, Bhopal

Integrated M.Tech Computer Science (Computational and Data Science), 8.57/10

September 2021 - Present

Bhopal, MadhyaPradesh

Govt . H. S. School, Rampayli, Balaghat (M.P.)

MPBSE 12th STD, 97.8%

May 2021

Balaghat, MadhyaPradesh

Govt . H. S. School, Rampayli, Balaghat (M.P.)

MPBSE 10th STD, 97.4%

May 2019

Balaghat, MadhyaPradesh

Experience

Business Analytics powered by Qlik

April 2024 - June 2024


Business Analyst Intern

Remote

- Mastered **Data visualization in Qlik Sense**, created interactive dashboards that enabled real-time insights for the marketing team, resulting in increased campaign effectiveness **30%**, and improved decision-making **maintenance costs by 15%**
- Worked on a **Supply Chain Management project**, leveraging **Machine Learning, Data Analytics, Predictive Modeling, and Data Visualization** to optimize operational efficiency


Projects

Apni Sanskriti, Apni Bhasa | Machine Learning, Docker, Flutter, Natural Language Processing **May 2023 – July 2023**

- **Engineered** a cross-platform app for translating English to Braj with an intuitive UI, incorporating **ML and DL** integration, dictionary support, and language model visualization, achieving **92%** accuracy with a 1000-row dataset.
- Designed and developed a **cross-platform** app with a **responsive design**, facilitating **language conversion, dictionary integration, and model visualization**, boosting user experience and engagement  [Web Link](#)

Samanvay – Well-being Assistance | Machine Learning, Web Development

October 2022 - January 2023

- **Conceived** and developed “**Samanvay**”, a web application that revolutionizes **mental health assessments** with delivering **personalized solutions**, achieving a **95% user satisfaction rate**.
- **Analyzed** real-time datasets containing over **1000 rows** and applied **Machine Learning algorithms**, attaining an **accuracy of over 90%**  [Web Link](#)

Extra-Curricular/Achievement

- Earned the **STARS Scholarship** at VIT Bhopal University by **ranking #2** in the district in the 12th board exams.
- Participated in Gssoc'24 open source platform, **secured 106th rank** during **Open source contribution**.
- LeetCode: Solved **500+ problems**, **Global Rank - 144,380**, achieving a rating of **1550 (Top 22%)**; GeeksforGeeks: Rated among the **Top 2.89%** coders with a **rating of 1750** and secured **Institutional rank under 50**
- Core member of **Health-O-Tech Club** (Marketing Team Lead); Active **Volunteer** at **National Service Scheme (NSS)**, VIT Bhopal University; **Winner of Kabaddi Tournament** at **AdvITYa'23 SPORTS FEST**

Additional

- **Languages** - Hindi (Native), English (Proficient)
- **Hobbies** - Cricket, Badminton, Avid Book Reader