

Tarun Sai Janapati

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SUMMARY

Highly motivated and results-oriented individual with a Master's in Analytics and a Bachelor's in Mechanical Engineering. Proven track record of successfully completing projects and assignments in machine design, data analysis, web development, and quantitative research. Demonstrated skills in Python, R, SPSS, Keras, and other analytical tools. Seeking a challenging role where I can leverage my technical abilities and make significant contributions to the organization.

EDUCATION

Saint Louis University • Master's Degree Graduation: 2025
Analytics MS • 3.9

Visvesvaraya National Institute of Technology • Bachelor's Degree Graduation: 2022
Mechanical Engineering • 7

EXPERIENCE

Graduate Engineer Trainee –Saarloha Advanced Materials Pvt Ltd 2022 – 2022
Pune, India

- In-depth knowledge of equipment in Steel melting shops, focused on data collection and analysis.
- Conducted inspections, preventive maintenance, and resolved equipment issues to improve productivity.
- Collaborated with cross-functional teams for equipment safety and efficiency

Building Maintenance Student Worker –Simon Recreation Centre 2024 – 2024
Saint Louis University

- Managed custodial operations and routine maintenance tasks, ensuring the cleanliness and functionality of facilities within the Simon Recreation Center.
- Conducted regular inspections of equipment and facilities, identifying issues promptly and executing repairs to maintain optimal operating conditions

SKILLS

- **Programming Languages:** Python, R Programming, SPSS
- **Data Analysis:** Pandas, NumPy
- **Data Science:** Tensorflow, Keras, OpenCV, NLTK, Pytorch
- **Machine Learning:** Scikit-Learn, Regression Models
- **Data Visualization:** Matplotlib, Seaborn, Tableau
- **Statistical Analysis:** Hypothesis Testing, Regression Analysis
- **Tools:** Jupyter Notebook, Git, SQL

PROJECTS

Dynamic Steam Properties Calculator Personal Project 2022 – 2023

- Developed a web-based tool using Python, Flask, HTML, CSS, and JavaScript to calculate steam properties.
- Deployed : steamcalci.com

Analysis of Factors Influencing Attitudes Towards Debt Saint Louis University 2023 – 2023

- Analyzed a dataset to uncover drivers of attitudes toward debt. Used R for data cleaning, preprocessing, and regression analysis.

Design and Optimization of Thermoelectric Generators VNIT 2021 – 2022

- Improved power output and efficiency by 10% by analyzing and optimizing the design parameters. Published a Journal paper in Materials Today Proceedings, Elsevier.

CERTIFICATIONS

- **International Conference on Innovative Product Design and Intelligent Manufacturing System '2022**
 - NIT Rourkela 2022 –

INVOLVEMENTS

- **Student Representative, Training and Placement** • VNIT 2021 – 2021