

SHUBHAM RANE

Mumbai | +919819080977 | shubhrane2911@gmail.com

EXPERIENCE

Century Rayon, Grasim Industries Ltd., Aditya Birla Group

July 2023 - October 2023

- Optimized viscose yarn quality parameters through data analysis
- Ensured data reliability through statistical validation and implemented machine learning using Python for quality enhancement.
- Employed Advanced Excel and PowerBI for data visualization, and conducted defect analysis to address quality issues, aiming to enhance Viscose Yarn quality through data-driven insights and process improvements.

PROJECTS

AI News System

[Code](#)

- Developed a Python-based AI news system, incorporating web scraping from Google News, automation, and email integration for daily updates through GitHub Actions.
- Applied HTML/CSS to create a visually appealing email format, summarizing articles with title, date, author, and link.

Detection of Blackhole: Image Processing

[Code](#)

- Used filters like Sato and Meijering were used on FITS data, which revealed distinct features, indicating black holes at the core.
- Density functions, spectrograms, and line plots provided additional evidence supporting their existence.

Facial Recognition Attendance System

[Code](#)

- Facial recognition attendance system uses computer vision and face recognition to identify individuals, track their attendance, and provide real-time data. It also offers a user-friendly GUI developed with Tkinter

SKILLS

- **Python:** Data Cleaning & Manipulation, Machine Learning, Deep Learning, NLP, Data Visualization, Statistical Analysis, Web Scraping.
- **Statistics:** Descriptive Statistics, Inferential Statistics, Probability Distributions, Hypothesis Testing, Regression Analysis, Sampling Techniques.
- **SQL:** Joins, Unions, Aggregation Functions, Data Retrieval, Data Filtering, Indexing, Query Optimization.
- **Power BI:** Data Modeling, Dashboards, Data Transformation, DAX
- **Excel:** Data Cleaning & Manipulation, Pivot Tables, Visualization, Formulas & Functions, Statistical Analysis.
- **Other Software:** Tableau, SPSS, Minitab

EDUCATION

Master's in Data Science and Big Data Analytics (2021 - 2023)

- Achieved a 9.52 CGPA in Master's in Data Science and Big Data Analytics at B K Birla College, Kalyan.

Bachelor's in Physics (2018 - 2021)

- Completed a Bachelor's degree in Physics with a 7.26 CGPA at G N Khalsa College, Matunga.