Sherwin Varghese

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# Education

**Shri Govindram Seksaria Institute of Technology** Indore, MP

*Bachelor of Technology in Industrial and Production Engineering Aug. 2019 – June 2023*

# Experience

**Project Engineer** July 2023 – Oct 2023

*Indian Institute of Technology Indore, MP*

* Resolved complexities through thorough research on Simulation and MedTech industry
* Spearheaded a Streamlit and Visual Python web app for real-time simulation visualization,

boosting team efficiency by 40%.

* Pioneered an efficient scheduling algorithm in the job processing simulation, successfully reducing the runtime by 25%
* Eliminated 3 major bugs, enhancing the overall performance and reliability of the simulation software
* Supervised a team to demonstrate the functionality of the product at SETU, an event conducted by IIT Indore

**Supply Chain Analyst** Jan 2023 – May 2023

*Premier Interio Indore , MP*

* Implemented a Just-In-Time inventory system, reducing carrying costs by 30% and boosting inventory turnover by 25%.
* Leveraged Excel dashboards for real-time inventory analysis, optimizing stock levels based on demand forecasts.
* Strategic improvements significantly reduced inventory costs, contributing to a 15% decrease in supply chain expenses.

# Projects

**Premier League Analysis** *| Python, Dash* Aug 2023 – Sep 2023

* Employed Python libraries such as Pandas and NumPy for data manipulation and analysis
* Generated 12+ graphs employing Plotly, Matplotlib, and Seaborn for data visualization
* Executed EDA on dataset, unveiling 10+ insights with substantial strategic decision-making potential
* Engineered a dashboard utilizing Dash, showcasing pivotal metrics and data-driven insights

**Polish Property Market Overview** *| Python, SQL, Google Sheets* Aug 2023 – Sep 2023

* Gathered data from Otodom and Brightdata
* Used Snowflake for data warehousing
* Utilized Python, Google Sheets, and OpenStreetMap API for transforming and translating data
* Implemented a comprehensive dashboard in Snowflake for data visualization

**Sales Analysis** *| Excel* Sep 2023 – Oct 2023

* Applied a comprehensive sales dataset
* Performed various transformations on the dataset to extract meaningful insights
* Leveraged Excel to create an interactive dashboard

**Decoding Spotify** *| Excel, Power BI* Sep 2023 – Oct 2023

* Analyzed Spotify’s 2023 dataset comprising 900 tracks
* Executed data cleaning in Excel on the dataset, enhancing analysis insights and saving around 30% of time
* Leveraged Power BI to create an interactive dashboard

# Technical Skills

**Languages**: Python, SQL ,C/C++

**Analytics** : Excel, Power BI, MySQL  
**Soft Skills:** Excellent data interpretation skills,Adaptibility  
**Libraries and Frameworks**: Pandas, NumPy, Matplotlib, Seaborn, Plotly, Dash, Visual Python, Streamlit