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# Arjun Janamatti

Senior Data Scientist

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## SUMMARY

- **Amassed over 14 years of diverse experience** in Data Science, and Mechanical Engineering.
- **Four-plus years dedicated to Data Science**, presently serving as a **Senior Data Scientist** at Rockwell Automation, specializing in the CIAM domain.

## TECHNICAL SKILLS

Languages	Python, R, SQL
Tech Stack	Git, AWS, Azure, Jupyter Notebook, Pycharm, Visual Studio code, LaTeX

## TECHNICAL EXPERIENCE

<b>Senior Data Scientist</b> <i>Rockwell Automation</i>	<b>Jan 2024 — Present</b> <i>Bangalore, India</i>
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- **Devised** a data pipeline with **Azure Data Factory** for efficient data flow from SQL Server to Azure Data Lake Storage, adhering to a **medallion architecture**.
- **Implemented** data transformations in Azure Databricks, ensuring **integrity** and **consistency** of data.
- **Stored** cleansed data securely in Azure Databricks SQL, enhancing data **accessibility** and **reliability**.
- **Created** a Power BI dashboard to **visualize Key Performance Indicators** for the IAM domain, supporting **proactive risk assessment**.

<b>DGM-Data Scientist</b> <i>Schneider Electric</i>	<b>June 2021 — Oct 2023</b> <i>Bangalore, India</i>
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- **Executed** a POC for deploying open-source SLM on AWS, fine-tuned for **direct SQL query responses** from textual input.
- **Streamlined** safety stock calculations with feedback learning, achieving a **100 ME rightsizing** and scaling to 90% of factories and distribution centers in the first year.
- **Applied** network modeling and a **Genetic algorithm optimizer** for Multi Echelon Inventory Optimization, enhancing inventory efficiency.
- **Formulated** Smart Allocation of Inventory strategy, optimizing supply quantities for improved customer delivery across all regions.
- **Revamped** Demand Forecasting with statistical methods, Geometric Brownian motion, and Kalman filter, boosting forecasting accuracy by 5% within Kinaxis.

<b>Python Developer</b> <i>ScalingWeb</i>	<b>Jan 2021 — May 2021</b> <i>Bangalore, India</i>
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- **Developed** a Flask API for **content moderation** in a mobile app, detecting and flagging inappropriate language and imagery using machine learning..
- **Utilized** 'deepspeech' models for **audio analysis** and OpenCV for **image processing** to maintain content integrity.

<b>Project Manager/Data science</b> <i>Biztechnosys Infotech Pvt Ltd</i>	<b>Jan 2019 — Dec 2020</b> <i>Bangalore, India</i>
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- Worked as a data science professional in python programming for data pre-processing, analysis and Microsoft Power BI for visualization. [Oct 2019 to Dec 2020].
- Was responsible as a Delivery head for projects related to CRM, web-development, CMS related to Sitecore, Umbraco and mobile application using Hybrid technology. [Jan 2019 to Oct 2019].

<b>Mechanical Engineer</b> <i>Applus Velosi</i>	<b>Aug 2007 — May 2016</b> <i>Muscat, Oman</i>
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- Carried our Inspection for NDE, Destructive testing, Hydrotesting and FAT for Valves, Pipes and fittings related to multiple projects.

## EDUCATION

<b>Master of Science in Petroleum Engineering</b> , <i>University of Tulsa</i>	<b>Aug 2016 — Dec 2018</b>
<b>Bachelors in Mechanical Engineering</b> , <i>Visvesvaraya Technological University</i>	<b>Nov 2003 — July 2007</b>

## SPECIAL ACHIEVEMENTS

- **Crafted three Python packages** for data analysis and processing, available on PyPI: `get-cov2`, `conPov`, and `simpleOutlierRemoval`.
- **Led a 'Deep Dive on Transformers'** session, contributing to the knowledge base of Analytics India's Data Hour series.