

RAVITEJA PADALA

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PROFILE

Technically strong and analytical minded professional with the ability to communicate effectively with both technical and non-technical stakeholders. I am a self-starter, enthusiastic to join your team immediately, and possess strong data visualization and analytical skills. I aim to leverage my expertise in applying statistical approaches and data-driven insights, backed by a robust background in Excel, SQL, Power BI.

SKILLS

• Six sigma • Data Analysis • Data Visualization • Exploratory Data Analysis • Excel • Power BI • MySQL • Microsoft Azure • Root cause analysis • Project Management • Git • Machine Learning

PROFESSIONAL EXPERIENCE

iNeuron AI

October 2022 - Present

Data Science Intern

- Utilized **Exploratory data analysis** techniques to identify patterns, relationships, and trends.
- Utilized algorithmic and programming tools to build predictive models.
- Created reports and performed statistical analysis.
- Learned Python, SQL, Machine Learning, Data Visualization.
- Worked on end-to-end Data Science and Data Analysis projects using CI/CD pipeline and GitHub Actions."Deployed projects to the cloud.

Gland Pharma Limited, Hyderabad.

March 2016 - August 2022

Assistant Manager, Quality Assurance

- Analyzed process parameters, quality, and yield data for continuous improvement of process.
- Performed Analysis on product and process to prepare Annual product Quality Reviews.
- Performed Impact Risk Assessment and ensured compliance with cGMP and cGXP.
- Conducted GAP analysis, bench-marked processes, and defined SOP's as per US and European regulatory guidelines.
- Performed Investigation and root cause analysis of deviations and implemented effective corrective action and preventive actions.

Indian Immunologicals Limited, Hyderabad.

October 2011 - February 2016

Executive, Vaccines Formulations

- Increased efficiency in blending activities through **30%** cycle time reduction using **quantitative analysis**.
- Utilized data-driven methodologies like Six Sigma to improve manufacturing processes and outcomes.
- Implemented 5S projects for better work area organization,
- Utilized Kanban technique to improve work efficiency by communication in better way with cross functional teams.

PROJECTS

Exploratory Data Analysis

[Link to Repository](#)

- As an accomplished data analyst, I have demonstrated expertise in conducting exploratory data analysis (EDA) on disease datasets to glean valuable insights. Leveraging advanced statistical techniques and data visualization tools, I have meticulously examined complex medical data, identifying patterns, trends, and potential risk factors related to various diseases.

FDA Inspections Analysis

[Link to Repository](#)

- Analyzed US FDA inspections and observations data from FDA website using Excel and Power BI, contributing to compliance efforts in the pharmaceutical industry and helping the organisations to identify patterns or trends in the compliance history of regulated entities.

Medical Expense Prediction

[Link to Repository](#)

- Developed an end-to-end Machine Learning project to predict individual medical expenses using Python, Flask, Data Analysis and Machine learning.
- Gathered real data and curated it based on a combination of personal experiences and real-life interactions.
- To ensure accuracy, employed web scraping to gather information on the top medications available for each specific medical condition from a website, and also retrieved the prices of these medications from another website. By incorporating this data into the dataset, aimed to create a comprehensive and reliable resource for medical expenses data to perform analysis and prediction.”

Six Sigma Project

[Link to Repository](#)

- Performed Process capability analysis and Root cause analysis to identify lacunas and provide insights to improve their process through failure mode effective analysis in a project task given by simplilearn

EDUCATION

2009 - 2011 Master's Degree in **Microbiology** at University, Visakhapatnam , aquired **7.52 CGPA**

2006 - 2009 Bachelor's Degree in **Microbiology** at Govt. Degree college, Srikakulam, aquired **72 %marks**

2004 - 2006 Class 12th, Intermediate Board, aquired **87 %marks**

2004 - Class 10th , State Board **79 %marks**

CERTIFICATIONS

[Link to Certificates](#)

- *Lean Management, Minitab and Six Sigma Black Belt certification from Simplilearn.*
- *Harvard Business Publishing Case Studies for Lean Six Sigma certification from Simplilearn.*
- *Lean Six Sigma certification in Healthcare from Simplilearn.*
- *Introduction to Data Science certification from Cisco.*

PRODUCTS HANDLED

- *Bacterial vaccines (DPT Vaccine, TT vaccine, Viral vaccines(Hepatitis-B vaccine(r-DNA), Rabies-vaccine. Insulin(r-DNA), Heparin, Ondansetron, Diazepam, Vancomycin, Daptomycin, Azithromycin*

LANGUAGES

- *Telugu, Hindi, English*