

Royal Rao

Analyst

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Summary

Highly motivated and detail-oriented tech enthusiast currently working as an Analyst with a strong technical background is seeking for Analyst position to apply strong analytical skills, proficiency in data analysis tools, and a passion for transforming data into actionable insights. Eager to contribute to a dynamic team and leverage academic knowledge in real-world data analysis projects.

Technical Skills

Languages : Python, C/C++, SQL, SAP, HTML, CSS, JAVASCRIPT.

Frameworks : Data Analysis, Data Collection, Data and Information Visualization

Developer Tools : MS Office, PowerBI, Tableau, Google Analytics, Jupyter Notebook, Google Sheets, SAP

Libraries : Numpy, Pandas, Matplotlib, Bokeh, Tensorflow, Statsmodels

Experience

Analyst (New Product Development)

Aug. 2024 – Present

Microtek New Technologies Pvt. Ltd.

Himachal Pradesh, India

- Designed and implemented a robust database for product descriptions and catalogs using SAP and Google Sheets, enhancing data integrity and accessibility.
- Spearheaded the development of test quality metrics, optimizing processes for production defect management.
- Managed over 10 live projects involving extensive research, data collection, and advanced visualization with Power BI and Google Sheets.
- Collaborated with project managers to reduce new product development (NPD) cycle times and decrease product defect rates.
- Produced comprehensive weekly and monthly MIS reports to support product development and data visualization enhancements for senior management.
- Developed and deployed key performance dashboards (Sales, Purchase, BOM Costing, DDC, NPD, Department-wise Quality, and R&D), with the Sales and Purchase dashboards created in collaboration with the company's CMD team.
- Engineered a dynamic web application using HTML, CSS, and JavaScript to monitor real-time test run statuses in the PDCL Lab.
- Created an integrated algorithm within the web application to calculate and display an estimated test completion date and time based on live test counts, facilitating proactive test management.
- Streamlined data collection and visualization processes, significantly improving operational efficiency and resource scheduling.

Python Developer/Data Analyst

Aug 2023 - Aug 2024

Extech Digital

Mohali, Punjab

- Learnt about how to write clean, efficient and maintainable Python code for applications.
- Received, cleaned and prepared data using Python, SQL and excel .
- Optimize applications for speed and scalability.
- Build data visualizations using Power Bi and Google sheets.
- Maintained reports with a 98% on time delivery.

Data Science (Intern)

Aug 2023 - Sep 2023

Codsoft, Internpe

New Delhi, India

- I worked with SQL and Python, and gained experience in developing and analyzing dashboards.

Intergrated Telecom Networks and Cybersecurity (Trainee)

Jul 2023 - Jul 2023

Alttc, BSNL

Uttar Pradesh, India

- Explored cutting-edge technologies and industry best pratics of telecom and data networks.

Education

IIT Jodhpur

Jodhpur, India

Master of Technology, Data Engineering

2025-2027

- Pursuing masters in the field of Data Engineering, and gaining the exposure towards tech through the university curriculum structure.
- Learning the process of designing and building systems to collect, store, and analyze large amounts of data.

Guru Jambheshwar University Of Science and Technology
Bachelor of Technology, Electronics and Communication Engineering

Hisar, India
2020- 2024

- Pursued graduation in the field of Electronics and Communication, and gained the exposure towards tech through the university curriculum structure.
- Strong grasp and command over my skills and good communication skills as well.

School Of Excellence
Intermediate Schooling

New Delhi, India
2018-2020

Certifications

(Industrial Training) Integrated Telecom/Data Network & Cyber Security : Alttc Bsnl
C/C++ : Aptech Learning
Python : LUDIFU, Excellence Technology
Power Bi :- LUDIFU
AI For India 2.0 : GUVI (Skill India Digital)
Campus Recruitment Training cum Soft Skills Development Program(CRT) : Rubicon Skill Development Pvt. Ltd.
Personality Development Course : Excellence Technology

Projects

PDCL Lab Test Run Webpage
Dashboard Creation For Multiple Departments(NPD, DDC, R&D China, Dept. wise Prod/Rej data, etc.)
Quality Dashboard (Top Defects Dept. wise)
Sales Dashboard
Purchase Dashboard
BOM Cost History Dashboard
BPR Reports, Presentations
MIS REPORTS, Presentations
NPD KPI
R&D China Dashboard
TRC(Testing & Repairing Centre) Dashboard
Mobile signal jamming circuit.
Madhav Ecommerce Dashboard.
Wireless Power Transmission.
Movie rating prediction
Credit card fraud
Stock price prediction

Portfolio

- Online Portfolio: A comprehensive showcase of my work, including web development projects, data analytics dashboards, and live test monitoring applications.
- Access Portfolio: www.yourportfolio.com