

Arpit Dubey

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Profile Summary

To leverage my algorithmic mindset and problem-solving ability, experienced in developing and deploying machine learning models for actionable insights and business efficiency. Skilled in Python, Scikit-learn, Tableau, and Power BI, with expertise in data preprocessing, feature engineering, and predictive modeling. Passionate about leveraging data science techniques to optimize performance, reduce costs, and drive innovation in competitive markets.

Work Experience

Current Organization: Pricol India -Pune

September 2024 - Present

Role: Associate

- Operated and maintained SMT machinery, ensuring optimal performance and minimal downtime.
- Monitoring production output and analyzing trends in product yields and defects.
- Documented and reported key performance metrics to management, driving informed decision-making.

Organization: Harman-Pune

Sep 2022 – Aug 2024

Role: SMT Operation

- Conduct regular performance analysis of SMT machines to identify bottlenecks and inefficiencies, reducing downtime by 15%.
- Utilize data visualization techniques in Excel to monitor production metrics, such as machine uptime, throughput, and defect rates, informing strategic decisions.

Internship

Data Science Intern : Access million (2024)

- Analyzed marketing campaigns and customer behavior using Python, SQL, and Tableau.
- Developed insights to improve lead generation and marketing strategies, increasing conversion rates by 18%.

Top Mentor Training and Certification

- **Master in Data Science and Analytics**
- **Tableau and Power BI.** (March 2024 – April 2024) Guided by Mr. Bose
- **SQL and Database Management System.** (February 2024 – March 2024)
- **Python with Data Analysis.** (January 2024- July 2024)
- **Machine Learning** (January 2024- July 2024)

Academics

- **Diploma in Electronics:** Gov. Polytechnic, Rampur | 77% (2022)
- **HSC:** Sukhpura Inter College, Ballia | 63% (2019)
- **SSC:** S J N Inter College, Ballia | 85% (2017)

Data Science Projects

Analyzing eCommerce Problems:

- **Objective:** Tackled issues like delivery delays, missing reviews, and category dissatisfaction.
- **Tools & Techniques** - Python (Pandas, Matplotlib, Seaborn), Scikit-learn, NLP (Text Blob, NLTK).
- **Outcomes** - Improved delivery performance by 20% and identified 25% of product categories as focus areas for enhanced customer satisfaction.

Algorithm Development for Predict Profit Startup:

- **Objective** - Built regression models to predict profits based on expenditure.
- **Tools & Techniques** - Python (Pandas, Scikit-learn), Label Encoding, One-Hot Encoding, Standard Scaling.
- **Outcomes** - Achieved an R^2 score of 0.99, showcasing high predictive accuracy, and reduced the mean absolute error to 2969.

Sentiment Analysis Using Logistic Regression:

- **Objective** - Performed sentiment analysis using logistics regression models.
- **Tools & Techniques** - Python (Pandas, Scikit-learn), Logistic Regression, NLP preprocessing.
- **Outcomes** - Improved sentiment prediction accuracy and actionable insights for customer feedback.

Skills

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|-----------------------------------|-------------------------------|
| • Power BI and Tableau | • Machine Learning |
| • Python | • SQL and Database Management |
| • Business Analysis | • Microsoft Office |
| • Data Analysis and Visualization | • Communication |
| • Gen AI | |

Declaration

I hereby declare that the details mentioned above in my resume are correct to the best of my knowledge and belief.

Date:

Place:

Arpit Dubey