

Swati Pandey

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SUMMARY

Data Scientist with 6 years of experience across the full data science lifecycle, from data preparation to model deployment. Technically skilled in building automated data pipelines and end-to-end machine learning solutions. Passionate about Machine Learning and AI, with a strong interest in developing and implementing cutting-edge models to solve complex problems. Experienced in leveraging state-of-the-art technologies to deliver innovative solutions and drive measurable impact.

EXPERIENCE

Alraedah Digital, Dubai

June 2023 – Present

Data Scientist

- Led multiple projects to streamline data processes, collaborating with marketing and sales teams to automate tasks.
- Designed and implemented tools to unify end-to-end workflows and track multiple KPIs efficiently
- Implemented new BI/analytics tools, replacing legacy enterprise licenses, resulting in annual cost savings of ~\$30,000-\$40,000
- Worked on ML projects to forecast ECL (Expected Credit Loss) and other key metrics.
- Documented the entire process to ensure knowledge sharing and reproducibility.
- Consistently received excellent annual performance feedback.

Colearn, Dubai

July 2020 – June 2023

Awarded "Silent Hero"

Data Scientist

- Built and worked on ML/DL models, including image search, text search, classification, OCR, personalized recommendations, and correlation analyses.
- Implemented process improvements that increased coverage of resources (maths solution videos) from 88% to 96%, reducing the gap between user searches and available solutions from 12% to 4%.
- Improved accuracy of models from 82–87% to 87–94% through targeted model enhancements and optimization.
- Automated recurring processes to increase efficiency for both technical and non-technical staff.

Senior Data Analyst

- First data hire; worked directly with the executive team to implement and maintain the analytics system from scratch.
- Mentored and managed hires in the analytics team.
- Developed standards to manage and automate data access and analytics.
- Delivered actionable insights to product and business teams to optimize performance.
- Built data and reporting infrastructure from the ground up to provide real-time insights across product, marketing funnels, and business KPIs.

OTHER EXPERIENCE

- KredX, Bangalore | Jan 2019 – July 2020 – Data Analyst – Awarded “Individual Extra Miler”
- Aeva Home Automation, Delhi | 2018 – Analytics Trainee (6 months)
- School Serv Solutions, Bangalore | 2018 – Academic Internship (4 months)
- Inform Architects, Bangalore | 2016 – Summer Internship (1 month)

EDUCATION

- **Birla Institute of Technology, Mesra | 2018**
B.Arch | CGPA: 7.3/10
- **RSVM | 2013**
Class 12th (Mathematics) | 92%
- **RSVM | 2011**
Class 10th | CGPA: 9.2/10

SKILLS

- Machine Learning: Supervised & Unsupervised Learning, Deep Learning
- Domains: NLP, Computer Vision, Time Series, Predictive Modeling, LLM
- Programming & Tools: Python, PyTorch, XGBoost, Pandas, Plotly, PyCaret, HTML, CSS
- Data Handling: SQL, MongoDB, Feature Engineering, ETL, Data Visualization
- MLOps / Deployment: Docker, Airflow, DataRobot, AWS