

Nandu Prasad

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Skills

Programming & Data Tools: Python (Pandas, NumPy, Scikit-learn), SQL (BigQuery, MySQL, MS SQL Server), Tableau, Excel, Git, OCR (Tesseract), Text Extraction, ETL, Data Cleaning

Analytics & Methodologies: A/B Testing, Statistical Analysis, Cohort Analysis, SLA Monitoring, Dashboard Automation, Data Mining, Stakeholder Communication, Agile Methodology

Work Experience

Freelance, Berlin

Feb 2025 – Present

Data Analyst

- Automated end-to-end data workflows using Python and SQL, reducing manual reporting time by 40% through intelligent parsing, scheduling, and transformation scripts.
- Applied OCR and lightweight ML techniques (e.g., Tesseract, regex-based classifiers) to extract structured data from unstructured sources such as PDFs, images, Excel, and CSV files.
- Built automated pipelines to support clients with data quality monitoring, product feature tracking, and metrics benchmarking.
- Delivered Tableau dashboards for stakeholder insights, combining dynamic SQL queries with reusable visual layers.
- Collaborated in Agile setups with engineering and operations to align data products with client KPIs.
- Tools: Python, SQL, BigQuery, Tableau, Excel, Git, Tesseract, Pandas, Tabula

Tesla Gigafactory Berlin, Berlin

Nov 2023 – Feb 2025

Production Associate

- Participated in continuous improvement initiatives to enhance the performance of automated assembly systems.
- Supported operations through root cause analysis and team collaboration to resolve production challenges.

ARDEM Data Services, Remote

Jan 2021 – Nov 2023

Data Analyst

- Designed SLA monitoring dashboards using Tableau and SQL, improving visibility into logistics workflows by 35%.
- Built Python scripts to automate text extraction and structured reporting from scanned documents, PDFs, and spreadsheets.
- Supported data operations with clear documentation and adherence to data governance standards across cloud-based data lakes.
- Maintained robust ETL logic and data models to support recurring reporting tasks and business intelligence updates.
- Tools: Tableau, Python, SQL, Excel

Education

Master of Science in Data Analytics, Berlin School of Business and Innovation, Berlin

Feb 2022 - Aug 2023

- Relevant coursework: SQL for Data Management, BI Reporting, Python for Data Analysis, Machine Learning, Marketing & Logistics Analytics, A/B Testing, Data Mining, Project Management

Bachelor of Technology in Electronics and Instrumentation, CUSAT, India

Aug 2015 - Apr 2019

- Relevant coursework: Digital Electronics, Control Systems, Signal Processing, Instrumentation, Microprocessors, Communication Systems

Diploma in Telecommunication Technology, *Department of Technical Education, Kerala* Aug 2011 - May 2014

- Relevant coursework: Analog and Digital Communication, Network Fundamentals, Signal Transmission, Telecommunication Systems

Project Work

Automated Data Extraction and Cleaning Pipeline

- Developed Python scripts to automate extraction and cleaning of structured and semi-structured data from PDFs, images, Excel, and CSV files using OCR (Tesseract), regex, and Tabula.
- Reduced manual data processing time by 40%.
- Tools: Python, OCR (Tesseract), Regex, Tabula, Pandas

Machine Learning for Predictive Modeling

- Built and evaluated supervised machine learning models using Scikit-learn for classification and regression tasks on marketing and sales datasets.
- Tuned hyperparameters and used cross-validation to improve model accuracy and robustness.
- Tools: Python, Scikit-learn, Pandas, Matplotlib

Certifications

- Google Data Analytics Professional Certificate
- IBM Data Analyst Professional Certificate