

BELICIA DENNY

beliciadenny@gmail.com | +91-9037942182

linkedin.com/in/belicia-denny | github.com/beliciadenny | portfolio.beliciadenny

OBJECTIVE

B.Tech Computer Science graduate with hands-on experience in Python, SQL, Power BI, Excel, machine learning, and data quality engineering. Skilled in developing interactive dashboards, AI-powered data applications, and analytics solutions. Seeking an entry-level opportunity in Data Analytics, Business Intelligence, or Data Quality to build data-driven solutions and support informed business decision-making.

TECHNICAL SKILLS

Programming & Databases	Python, SQL, MySQL, PostgreSQL
Data Analytics	Excel, Power BI, Power Query, DAX, Pandas, Numpy, EDA, Data Cleaning
Machine Learning	Scikit-learn, XGBoost, NLP, TF-IDF, Statistical Analysis
Tools & Technologies	Git, GitHub, Docker, Streamlit, FastAPI, Jupyter Notebook

EDUCATION

Jyothi Engineering College, Thrissur, Kerala
Bachelor of Technology in Computer Science

2021 – 2025

TRAINING

Data Scientist Trainee | Besant Technologies, Bangalore

Aug 2025 – Feb 2026

- Performed data cleaning, exploratory data analysis, feature engineering, and predictive modeling using Python, SQL, Pandas, and Scikit-learn to prepare structured datasets for analysis and modeling.
- Developed interactive Power BI dashboards and machine learning models to analyze business data, visualize KPIs, and communicate actionable insights.

PROJECTS

AI Data Quality Guardian | Python, FastAPI, PostgreSQL, React, TypeScript, Docker, LangChain, Ollama

- Developed a full-stack platform for profiling, validating, and improving CSV/Excel dataset quality using rule-based validation and AI-generated recommendations.
- Built REST APIs with FastAPI, integrated PostgreSQL for dataset management, implemented JWT authentication, audit logging, PDF report generation, and automated data cleaning with Docker-based deployment.

GitHub Developer Ecosystem Analytics Dashboard | Power BI, DAX, Python

- Built a 5-page interactive Power BI dashboard analyzing language adoption, repository activity, and open-source growth across 630M+ repositories and 180M+ developers using custom DAX measures.
- Identified insights including TypeScript overtaking Python as GitHub's top language (+66.6% YoY growth) and AI infrastructure projects dominating fastest-growing OSS repos; designed KPI cards and cross-filter slicers for drill-down analysis.

Fake Review Detector | Python, Random Forest, NLP, Streamlit

- Developed an NLP-based fake review detection system using TF-IDF and Random Forest to classify business reviews, achieving 95% ROC-AUC, and deployed the application on Streamlit Cloud for real-time predictions.
- Performed text preprocessing, feature engineering, and comparative evaluation of multiple machine learning models to improve classification performance and support trustworthy online review analysis.

Dark Pattern Detection | Python, XGBoost, NLP, SHAP, Power BI

- Developed a machine learning system to detect and classify deceptive UI patterns in e-commerce websites using NLP techniques and XGBoost, enabling automated identification of manipulative design practices.
- Integrated web scraping, regulatory mapping and interactive Power BI dashboards to visualize compliance insights and support data-driven decision-making.

Remote Workforce Analytics Dashboard | Power BI, DAX, Python

- Built a 3-page interactive Power BI dashboard analyzing burnout, productivity, and remote work satisfaction across 100 employees in 6 countries using custom DAX measures.
- Identified insights including Product Managers having the highest burnout (57.78) and hybrid workers leading in communication effectiveness; designed KPI cards and cross-filter slicers for drill-down analysis.

CERTIFICATIONS

- Python for Data Science** (IBM)
- Data Science with AI** (Basant Technologies)
- Cloud Computing** (NIT Calicut)
- Flutter App Development** (ICT Academy of Kerala)