(317)-364-3113
Greenfield, Indiana
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PalmerProjects

Canyen Palmer

Data Scientist

Portfolio: CanyenPalmer
MyCaddy: MyCaddy.onrender.com
github.com/CanyenPalmer
linkedin.com/in/Canyen Palmer

Skills

Programming	Python, R, SQL
Machine Learning	Regression, Classification, Clustering, Tree-Based Methods, Feature Engineering, Forecasting
Libraries & Frameworks	Scikit-learn, XGBoost, Pandas, NumPy, SciPy, statsmodels, Tidyverse, Flask
Visualization	Tableau, Matplotlib, Seaborn, Power BI
Data Tools & Deployment	Git/GitHub, Jupyter Notebooks, Streamlit, Vercel, Render, Advanced Excel, LaTeX

Technical Experience

Lead Analyst — **June 2025 — Aug 2025**
Iconic Care Inc — *Indianapolis, Indiana*

- Developed financial forecasting models that identified over $75,000 in projected annual savings through advanced data extraction, statistical analysis, and visualization.
- Engineered automation across key stages of the ordering cycle, reducing operational turnaround time by 50%.
- Designed and deployed interactive Tableau dashboards that increased order-cycle efficiency by 37% and enabled real-time, cross-departmental insights.
- Built an end-to-end CSV/Excel mining pipeline that uncovered $30,000+ in unpaid patient responsibility for CGM equipment. Repository: CGM Patient Analytics Mining Model.
- Created dynamic consignment pricing structures that improved billing success rates by 65%.

Billing & Revenue Specialist — **May 2025 — Jun 2025**
Iconic Care Inc — *Indianapolis, Indiana*

- Constructed Iconic Care's first comprehensive balance sheet and KPI reporting framework to monitor financial health and trends.
- Optimized Payor-Level Dashboards, Billing Cycle Processes, HPCPS Code Validations, and Reimbursement Data pipelines for clear interpretation across departments.
- Collaborated with cross-functional teams to communicate analytical insights and enhance operational efficiency company-wide.

Education

Master of Data Science, *University of Pittsburgh* — Aug 2025 — Present
Bachelor of General Studies in Mathematics, *Ball State University* — Aug 2020 — May 2024
Associate of Arts in Computer Science, *Ball State University* — Aug 2020 — May 2022
Dean's List, *Ball State University* — May 2023 — Aug 2023
Academic Scholarship, *Franklin College* — 2019

Projects

MyCaddy | Physics-Based Golf Calculator — **Aug 2025**
Live Demo — *Greenfield, Indiana*
Code Link

- Developed a physics-based golf calculator integrating real-time environmental inputs and swing mechanics to generate optimized yardage predictions.
- Engineered a modular architecture supporting dynamic yardage computation, live condition summaries, and a responsive GUI with flyer-lie mode.
- **Tech Stack:** Python, Flask, Gunicorn, Jinja2, CSS, Tkinter | Deployed on Render (cloud-hosted)

Salifort Motors | Employee Attrition Prediction — **July 2025**
Code Link — *Muncie, Indiana*

- Designed and implemented end-to-end predictive models in Python (pandas, matplotlib, scikit-learn, XGBoost) to identify employee turnover risk.
- Logistic regression achieved **83% accuracy** with precision 80%, recall 83%, and F1-score 80% on the test set.
- After feature engineering, decision tree and random forest models achieved **AUC = 93.8**, precision 87.0%, recall 90.4%, F1-score 88.7%, and accuracy 96.2%, demonstrating strong generalization and interpretability.