Prashant Gaikwad

(+1) 959-200-1659| prashant.gaikwad@uconn.edu| Address – Apt 628, 250 Main Street, Hartford, CT | LinkedIn | GitHub

PROFESSIONAL EXPERIENCE

Amica Insurance, Lincoln, RI

Business Intelligence Engineer (Investments Department Team)   *June 2022 – Dec 2022*

- Implemented ETL (Extract-Transform-Load) techniques on relevant data sources (**FactSet API**, **Bloomberg BQL**, **BondEdge**), quantified the current company **investment portfolio,** and published easy-to-understand Power BI dashboards that delivered financial insights, helping Amica **save more than $1 Million** in annual licensing fees and **80 man-hours per month**.
- Performed **complex financial calculations using DAX**, **data modeling** for multiple data sources, and statistical **data visualization (Python and R scripts**) in Power BI for **over 15 million securities data for bonds, stocks, hedge funds**, and **economic indicators.**
- Optimized and documented the existing reports, implemented **Power Automate** and **Power BI Dataflow**, and **reduced the number of API calls to FactSet by 40%** saving **Amica $50K** in annual cost for the FactSet **API/ data warehouse** products.

Unscramble, Atlanta, GA | UConn School of Business

Capstone Project | Extracting Insights through conversation-driven BI & Analytics   *May 2022 – June 2022*

- Gathered multi-dimensional marketing data for over 100K records from **Snowflake Data Warehouse** using **SQL queries**, performed **ad-hoc analysis using NLU** (Natural Language Understanding), and delivered 10 customer-specific **video data stories**.
- Built automated insights using **machine learning algorithms in Python** focusing on ads performance and impact**,** developed data **visualization reports** using **ML libraries**, and delivered results through **customer-facing PowerPoint presentations**.

Ecolab, Pune, India

Business Intelligence Analyst (Energy Downstream Digital Solutions Team)   *Aug 2019 - July 2021*

- Designed, configured, optimized, and maintained **asset performance reports in Microsoft Power BI** using **ETL (Extract-Transform-Load)** on large data sets, **complex DAX functions**, and visualizations that helped **improve overall asset health by 40%.**
- Identified over 100 customers with **cross-selling opportunities for Ecolab Products** and gained **new business contracts worth $300K** using an unsupervised model **in Python** that groups customers based on the market segment (**Market Basket Analysis**).
- Retrieved **multidimensional data using complex SQL queries**, ran automated reports of **simulation models,** and delivered insights through **customer-facing presentations**. Efforts led to the gaining of a **new business contract worth $3M**.
- **Trained** sales representatives across the globe, **gathered business requirements**, performed **ad-hoc analysis**, and developed user-friendly **Power BI dashboards** that helped achieve more than **95% data integration** (**onboarding**) for global accounts.

Data Analyst (Ecolab Business Intelligence Center)   *April 2017 – July 2019*

- Optimized the existing **worksheet tracker** and **data view** using Microsoft **SharePoint Lists** and Microsoft **Power Apps** with the creation of real-time **Microsoft Power BI** dashboards. Efforts led to an improvement in **overall team performance by 40%.**
- Extracted datasets using **Microsoft SQL queries**, performed pre-preprocessing, and **predicted** pump on-time settings using **machine learning models in Python** that helped **reduce the incidences** of acid overfeeding **by 50%** for Ecolab clients.
- Improved **customer retention by 80%** by performing **data collection, cleaning**, and **normalization** to **forecast system performance** using MIS reports of asset-level KPIs built on advanced Microsoft Excel and Microsoft PowerPoint.

ACADEMIC PROJECTS (GitHub)

- **Bug Management in Gaming Studio (SQL)** – Created a bug tracking tool in a gaming studio that helps to report, assign and track the bugs in a software development project using Microsoft Visio modeling, ERD diagrams, and **Oracle SQL Queries**.
- **Freshwater Water Stress, English Premier League (Tableau)** – Designed reports with objects such as facts, attributes, hierarchies, filters, calculated fields, groups, parameters, etc. Delivered presentation with the aim of Storytelling using Tableau Dashboards.

TECHNICAL SKILLS

- **Software Tools & Technologies:** Microsoft SQL, Oracle SQL, PL SQL, Python, R Studio, JMP, SAS Miner, MS Project, MS Visio
- **Data Visualization:** MS Power BI (M Code, DAX), Tableau Desktop, R, Python Matplotlib, MS Power Apps, MS Power Automate,
- **Certifications**: SQL Bootcamp, MS Power BI, Python Bootcamp, Advanced Excel Formulas & Functions, Statistics in R
- **Analytical Techniques:** ETL, DAX (Data Analysis Expressions), Exploratory Data Analysis (EDA), Time Series Analytics, Machine Learning Models, Data Visualization, Data Storytelling, Natural Language Processing, Critical Thinking, Quantitative Modeling
- **Strengths:** Self-driven, Strong Decision Maker, Positive Attitude, Multi-Tasker, Working Under Pressure, Business Acumen

EDUCATION

University of Connecticut School of Business, Hartford, CT

Master's in Business Analytics and Project Management – (STEM – GPA – 3.87/4.0)   *Aug 2021 - Dec 2022*

- **Major – Data Science:** Statistics in R, Predictive Modelling, Data Science using Python (Pandas, NumPy, Scikit-learn), Data Mining, Business Intelligence in SAS, Visual Analytics - Tableau, Deep Learning, SQL, Agile, Jira, Project Leadership, Communication

University of Pune, MH, India

Bachelor's Degree in Chemical Engineering (STEM – CGPA – 8.56/10.0)   *Aug 2012 - July 2016*

- **Relevant Courses:** Modeling, Simulation, Engineering Mathematics, Statistics, Dynamics and Control, MATLAB, Mathcad