SWAYAM ROHIDAS BADHE

(315) 849-8979 | swbadhe@syr.edu | LinkedIn | GitHub | Portfolio

EDUCATION:

Syracuse University, College of Engineering and Computer Science, Syracuse, NY **August 2024 - May 2026**
Master of Science in Computer Science, GPA – 3.2/4
Relevant coursework: Computer Architecture | Assured programming and formal methods | Database Management System
University of Mumbai, Ramrao Adik Institute of Technology, Mumbai, India **August 2020 - May 2023**
Bachelor of Engineering in Computer Engineering, CGPA – 9.35/10
Relevant coursework: Python Programming | Big Data Analytics | Management Information Systems | Data Warehousing and Mining

SKILLS:

- **Data Analytics & Engineering**: SQL (MySQL, PostgreSQL, Microsoft SQL Server), Power BI, Excel, Data Visualization, Dashboarding, Business Intelligence (BI), KPI Tracking, ETL Pipelines, Data Warehousing, Data Modeling, Data Transformation, Data Cleaning, Data Normalization, API Data Integration, Big Data Processing, NoSQL.
- **Programming & Scripting**: Python (Pandas, NumPy, Matplotlib, Scikit-learn), SQL (Joins, Aggregations, Indexing, Query Optimization), JavaScript (Node.js, Express.js), TypeScript, Flask, MongoDB**.**
- **Tools & Technologies**: Jupyter Notebook, Microsoft Excel, Power Query, Git, Postman API.
- **Soft Skills:** Problem Solving, Decision Making, Communication, Stakeholder Collaboration, Agile Methodologies, Data-Driven Insights.

WORK EXPERIENCE:

Accenture, Associate - Mumbai, Maharashtra **September 2023 – July 2024**

- As a trainee, I worked on multiple training projects focusing on full-stack development using React, Node.js, and SQL. The goal was to build scalable applications and improve backend data handling.
- Devised and integrated RESTful APIs, optimized SQL queries for efficient data retrieval, and implemented data aggregation techniques to enhance application performance.
- Executed 15+ RESTful APIs using Node.js & Express.js, ensuring seamless data integration with SQL databases. Designed and simplified SQL queries for joins, aggregations, and indexing, improving database efficiency. Collaborated in Agile teams, participated in 50+ code reviews and sprints, and utilized Git for version control.
- Enhanced application responsiveness by 25%, improved SQL query efficiency, and streamlined data integration, ensuring smooth backend functionality for web applications.

PROJECTS:

Real Estate Price Prediction – Data Science [Python | Flask | Machine Learning | Jupyter Notebook | JavaScript | JSON]

- Accurately predicting real estate prices was challenging due to multiple influencing factors.
- Develop a machine learning model to predict real estate prices and integrate it into a web app.
- Processed real estate data using Pandas, trained a ML model, and built a Flask API to serve predictions, displaying results via an HTML/CSS/JavaScript front-end.
- Deployed a real-time price prediction model, improving property valuation accuracy for buyers and investors.

Cricket Insights – Sports Domain [Python | Pandas | Web Scrapping | Power BI]

- Selecting the best T20 playing XI required analyzing large datasets of player performance.
- Processed a data-driven approach to identify top players using statistical metrics.
- Scraped player statistics from espncricinfo using Bright Data, cleaned and transformed data with Pandas, and built a Power BI dashboard with DAX calculations for player selection.
- Enabled a 90% probability of selecting a winning team by optimizing player selection based on data-driven insights.

Sales Insights – Business Domain [SQL | ETL | Power BI]

- A computer hardware business lacked visibility into sales trends, affecting revenue growth.
- Created an automated dashboard to track revenue trends and improve decision-making.
- Designed and executed ETL processes with SQL, transforming raw sales data into structured insights, and implemented a Power BI dashboard to visualize trends like YOY growth and region-wise performance.
- Improved business decision-making, potentially increasing revenue by 7% in the next quarter.

Revenue Insights – Hospitality Domain [Excel | Power BI]

- A hotel experienced declining market share and revenue, needing insights to optimize pricing and occupancy rates.
- Analyzed revenue trends and provide strategic insights for revenue recovery.
- Conducted revenue analysis using key metrics such as ADR (Average Daily Rate) and occupancy rates, developed a Power BI dashboard to track changes across properties, and identified opportunities for revenue optimization.
- Helped the hotel develop effective strategies, potentially regaining 20% of market share and revenue in the next month.

PUBLICATIONS:

- Deep Learning based Facial Emotion Recognition. In ITM Web of Conferences (Vol. 44, p. 03058). EDP Sciences. Link.