Swayam Rohidas Badhe

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Education

Syracuse University, Syracuse, NY — May 2026
Master of Science in Computer Science — GPA: 3.22/4.00
University of Mumbai, Mumbai, India — May 2023
Bachelor of Engineering in Computer Engineering — GPA: 9.35/10.00

Professional Experience

Analyst Intern | iConsult Collaborative at Syracuse University, USA — Mar 2025 – Present
[Tech Stack: SQL, Power BI, Excel, Python, Git, Visualization]

- Designed and optimized SQL queries, joins, aggregations, and indexing to improve database performance, ensuring fast retrieval.
- Managed datasets by integrating SQL with Python for cleaning, transformation, and modeling, enabling high-quality reporting.
- Created interactive Power BI dashboards driven by SQL datasets, using Git for version control and delivering KPIs visualizations.

Associate Software Engineer | Accenture, India — Sep 2023 – Jul 2024
[Tech Stack: React, Typescript, SQL, Node.js, Javascript, RESTful APIs]

- 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. Revised 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 [Tech Stack: Python, Flask, Machine Learning, JavaScript]

- 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 [Tech Stack: 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 PowerBI 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 [Tech Stack: SQL, ETL, Power BI, Excel]

- 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.

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, VS Code
Soft Skills: Problem Solving, Decision Making, Communication, Stakeholder Collaboration, Agile Methodologies, DataDriven Insights.