SWAYAM ROHIDAS BADHE

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

EDUCATION:

Syracuse University, College of Engineering and Computer Science, Syracuse, NY   **May 2026**
Master of Science in Computer Science
Relevant coursework: Computer Architecture | Assured programming and formal methods | Database Management System

University of Mumbai, Ramrao Adik Institute of Technology, Mumbai, India   **May 2023**
Bachelor of Engineering in Computer Engineering
Relevant coursework: Python Programming | Operating Systems | Data Structures | Data Warehousing and Mining

SKILLS:

- **Technical**: SQL, React, Angular, TypeScript, JavaScript, Python, Java, C++, REST APIs, Node.js, Express.js, MongoDB, Haskell.
- **Tools & Software**: Microsoft Excel, Microsoft Power BI, Jupyter Notebook, Microsoft SQL Server, MySQL Workbench, Postman API, Git, VS Code.
- **Core Competencies**: Software Development, Full Stack Development, Web Development, Data Analytics

WORK EXPERIENCE:

Accenture, Associate Software Engineer- Mumbai, Maharashtra   **September 2023 – July 2024**
- Trained for over 400 hours on 4 web application development projects, using React, Angular, and TypeScript. Boosted front-end efficiency by 25% using Ant Design and Materialize frameworks.
- Built 10+ RESTful APIs and optimized data handling and integration using Node.js and Express.js in simulated environments.
- Collaborated with a team of 13 trainees, participated in over 50 code review sessions and Agile sprints, while utilizing Git for version control and addressing over 20+ issues related to web application performance.
- Created documentation for 4 projects, detailing architecture, coding practices, and deployment strategies, and participated in 5 workshops on AWS services for cloud computing fundamentals.

PUBLICATIONS:

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

PROJECTS:

Time Tracking Application [React | JavaScript | Express.js | Node.js | HTML | CSS]
- Architected a Time Tracking Application featuring a responsive React frontend and a scalable Node.js backend, achieving a 20% improvement in user interface responsiveness and system scalability.
- Incorporated real-time tracking features and RESTful APIs, ensuring system reliability with 97% uptime and a seamless user experience.

Weather Application [HTML | CSS | JavaScript | JSON]
- Designed a user-friendly Weather Application that integrated APIs to deliver real-time weather forecasts with 95% accuracy, handling up to 50 data points per forecast.
- Applied responsive features to ensure a seamless user experience across 5+ device types, including mobile and desktop, resulting in a 40% reduction in page load times.

Cricket Insights – Sports Domain [Python | Pandas | Web Scrapping | Power BI]
- Generated a Power BI report to identify top 11 players for a T20 cricket team by scraping data from espncricinfo with a BrightData website tool, cleaning and transforming the data with pandas, and evaluating various player performance metrics.
- Performed data analysis techniques using DAX, including calculating measures resulting Power BI dashboard to select players for various categories (openers, middle order/anchors, finishers, all-rounders, specialist fast bowlers) and ultimately choose the top 11 players to play in the match.
- Selected team using the Power BI dashboard has 90% of chances to win the game.

Sales Insights – Business Domain [SQL | Power BI]
- Implemented an automated dashboard for a computer hardware business facing challenges in scaling within a dynamically changing market and lacking actionable insights.
- Performed data analysis using SQL and Power BI to track revenue growth, year-over-year (YOY) trends, and region-wise sales performance.
- The dashboard enabled quick, data-informed decisions, effectively displaying sales trends and potentially raising revenue by at least **7%** in the next quarter.

Revenue Insights – Hospitality Domain [Excel | Power BI]
- A hotel noticed a loss in their market share and revenue over a few months. To understand the cause of this loss, they needed a way to analyze this. I created a dashboard in Power BI using three months of data.
- With the produced dashboard, Revenue team of that hotel can gain insights about their revenue trend. This could help in regaining their revenue and market share by 20% in the next month.