DHARMA RAKSHAK TADI

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LinkedIn | **Portfolio**

EDUCATION

University of South Florida	**Tampa, Florida**
Master of Science, Business Analytics and Information Systems	*Aug 2022 - May 2024*

National Institute of Technology Karnataka	**Karnataka, India**
Bachelor of Technology, Computer Science Engineering (CSE)	*Jul 2015 - May 2019*

PROFESSIONAL EXPERIENCE

Software Engineer, Atyati Technologies PVT LTD - Bangalore *Jul 2019 – Jul 2022*

- Spearheaded the **Full stack Web Development** of both Front-end and Back-end functionalities for designated modules within a Online Loan Disbursement Platform, leveraging **ASP.NET core**, **ASP.NET web API**, **MVC** Architecture, **C#**, and **SQL**.
- Orchestrated seamless integration of modules using **REST APIs** and Third-Party APIs, leveraging **microservices** architecture; handled **XML** and **JSON** responses, optimizing data flow, and reducing API response time by 50%.
- Facilitated CIBIL Report Generation and 5+ Lender Integrations, developing a .NET API from the ground up leading to enhanced integration efficiency with lenders.
- Integrated **Postman** and **Swagger** for API development and testing, resulting in decrease in front-end and back- end communication gaps, resulted in a 23% reduction in programming bugs, enhancing system reliability.
- Developed advanced SQL queries through **indexing**, **stored procedures**, **triggers**, **functions** to identify and resolve data inconsistencies, ensuring data accuracy and integrity, leading to a 27% improvement in query processing.
- Spearheaded the seamless transition from on-premises **SQL Server** database to **Azure SQL** database, utilizing **SSMS** to ensure data integrity and achieve optimal performance in the cloud.
- Managed **CI/CD** pipelines for source code management in **Azure DevOps**, streamlining the development, testing, and deployment software changes among **QA**, **UAT** and Production environments for continuous integration.
- Orchestrated the migration of 5 applications from on-premises infrastructure to Azure cloud services establishing micro services architecture for **app services**, **Azure Key Vaults**, **Blob Storage**, and scaling azure regions.

TECHNICAL SKILLS

Languages	: C/C++, C#, Python, R, SQL, PL/SQL, T-SQL, HTML5, CSS3, XML, JSON, LINQ.
Frameworks	: JavaScript, jQuery, Angular, Bootstrap, AJAX, .NET, .NET MVC, ADO.NET, Entity Framework.
Tools	: Visual Studio, Visual Studio Code, SDLC, Git, Azure Cloud, Azure DevOps, Azure ML studio, Tableau, Power BI, MS Office, IIS, TensorFlow
Databases	: Microsoft SQL Server, Oracle SQL.
Coding Skills	: Proficient in data structures like arrays, strings, lists, dictionaries, hash sets, and trees for solving complex problems using Object oriented programming (OOPS) and algorithm design.

ACADEMIC PROJECTS

Web Application Development Project: Alternative Fuel Station Locator *Sep 2023 - Nov 2023*

Key Technologies: .NET Core, MVC, C#, Entity Framework, AJAX, LINQ, HTML5, CSS3, Bootstrap, JavaScript, jQuery, GitHub.

- Coded a web application in visual studio facilitating the location of fuel stations in a specified area using **.NET Core MVC** architecture**, C#**, and **Entity Framework**.
- Designed and deployed a robust database model for handling data sourced from data.gov website, designing database schema, integrating API requests for efficient data insertion that led to a 63% reduction in data retrieval time.
- Implemented search functionality through **AJAX** calls, **LINQ** queries and Lambda Expressions, allowing users to find fuel stations based on city name or Zip code, enhancing user experience and efficiency by 30%.
- Crafted a real-time interactive dashboard with interactive bar graphs using **JavaScript** and **jQuery**. Visualized data for 69K+ fuel stations, allowing state-wise filtering by 8 fuel types and significantly enhancing user engagement.
- Executed **CRUD** operations to manage fuel station data within databases, ensuring seamless data management and system flexibility that resulted in a 20% improvement in data retrieval speed.

- Coded UI/UX design using **HTML5**, **CSS3**, **Bootstrap CSS**, and media queries for responsive web page development, ensuring optimal user experience across browser dimensions.

Hotel Booking Systems   *Sep 2023 - Nov 2023*

Key Technologies: Oracle SQL, Tableau

- Drafted an **Oracle SQL** data warehousing model for a hotel booking system, optimizing data organization, and implementing star join operations, resulting in a 20% improvement in query performance and data retrieval efficiency.
- Incorporated Oracle SQL DB to store application-related data, including creating a database schema, designing tables, defining columns, data types, key constraints, establishing relationships among tables resulting in a 15% reduction in data-related errors.
- Employed **normalization** techniques to minimize database redundancy, enhance performance, and optimize data storage by 20%.
- Serviced performance tuning techniques including **Index**, aggregation tables, materialized views, and **partitioning** tables improving querying performance by 87%.
- used **Tableau** for impactful data visualizations and extracting valuable insights.

CERTIFICATIONS

- Google Data Analytics Specialization - **Coursera**
- SQL (Intermediate) Badge - **HackerRank**
- USF Muma college of business Tableau bootcamp - **USF office of corporate training**
- Python for Data Science and Machine Learning Bootcamp - **Udemy**

HONORS & AWARDS

- Received 'RISING **STAR AWARD'** for quarterly Evaluation at Atyati Technologies.
- Ranked as 'TOP **20 PERFORMER OF YEAR- 2020'** at Atyati Technologies.