# Rahul Avinash Jadhav

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## SUMMARY:

Result driven .NET Developer with a master's in data Analytics, specializing in Machine Learning and AI. Proficient in crafting robust APIs. Experienced in analytics tools like ETL, model building, evaluations, and visualization. Excels in code optimization, version control, CI/CD, and embraces emerging technologies for innovative API development.

## TECHNICAL SKILLS

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| Languages | **C#, JavaScript, SQL, Python, PHP, Html / Html5, Angular, CSS, Bootstrap.** |
| Programming Languages & Web Technologies | **Asp.Net Core, Web and RESTful API, Web Services, Asp.Net, .Net Core, LINQ, MVC Framework, Entity Framework Core, Microservices.** |
| CI/CD | **Azure DevOps, Kubernetes, Docker.** |
| Database Technologies and Message Queues | **Microsoft SQL Server, Azure Service Bus.** |
| Visualization Tools | **Tableau, Qlik, Power BI.** |
| Testing Frameworks & API Documentation | **Unit Testing, Swagger API, Postman, NUnit.** |
| Cloud | **Microsoft Azure.** |
| Authentication and Authorization | **JWT token, Session based, OAuth.** |
| Tools/Source Control | **Jira, Azure Storage Explorer, SSMS, Visual Studio, VS Code, Windows IIS, Git, TFS, Visual Studio, SQL Server Management Studio, Git, Agile Scrum, Kanban board, Thestash, Azure DevOps Server, GitHub, Elastic Search.** |

## PROFESSIONAL EXPERIENCE:

**Software Developer Intern** | Axxess Technology Solution, Dallas | TX.                    Sep '22 – Dec '22
- Engaged in the development of applications by applying **Agile Scrum** and **Kanban** methodologies. Actively participated in daily stand-up meetings, sprint planning, sprint reviews, and retrospectives, contributing to a **20%** improvement in project completion efficiency.
- Showcased unwavering commitment to software excellence by resolving over **10+** defects, conducting **30+** code reviews, and maintaining repositories with **Git** and **Azure**, resulting in a substantial **25%** reduction in post-release bugs.
- Orchestrated the successful development of a **RESTful API** catering apps and web apps for seamless appointment scheduling, medical records access, and real-time communication with **healthcare** providers, resulting in improved patient experience.

**Asp.net Developer** | SimplyStart.in, Mumbai | IN                    Jun '18 – Sep '21
- Mastered a diverse array of technologies including **C#, ASP.NET MVC, JavaScript, jQuery, SQL Server,** and **Restful API**, leading to the creation of highly robust and efficient applications across various projects.
- Designed and implemented RESTful APIs and microservices for diverse sectors, including **E-commerce, Portfolio management, and dental care** using **ASP.NET MVC 5 and JavaScript**, addressing industry-specific requirements to enhance user experiences and functionality.
- Enhanced data transaction efficiency by **20%** through optimization of Microsoft SQL Server databases. Developed and optimized complex **SQL** queries, **stored procedures**, and **views**.
- Leveraged **Entity Framework Core** to streamline database interactions and enhance overall performance.
- Developed asynchronous message processing pipelines leveraging **Azure Service Bus** Queues, ensuring seamless communication, and decoupling of application components.
- Implemented **authentication** and **authorization** mechanisms using **JWT token** and **OAuth**, ensuring secure application access.
- Deployed **CI/CD** pipelines adopted **Docker** for containerization, and orchestrated deployments in **Kubernetes** to enable scalable and resilient application management.

## Voluntary Experience:

**Team Lead |** Bright mind enrichment and schooling | Remote                    Sep '23 - Present
- Managed Team size of **17** to develop and maintain existing features of the NGO's website.
- Assignment of tasks to respective team members based on their technical skillset and assisting them in their blockage.
- Interacting with various teams to gather information regarding the new updates and bugs reported.
- Developed a dynamic **WordPress** page with custom **JavaScript** code for real-time data retrieval from **Firebase**.
- Implemented interactive functionalities in **JavaScript** for seamless updating and insertion of elements and records into the Firebase database, enhancing user experience.
- Ensured secure and efficient data transmission between **WordPress** and **Firebase**, optimizing overall website performance.

- Collaborated with cross-functional teams to optimize data retrieval and database interactions, resulting in improved website responsiveness.
- Implemented robust error handling mechanisms to address potential data synchronization issues, ensuring and maintaining data integrity. teamwork, security.

## PROJECTS:

**Financial and Market Analysis** | KDI Media | Remote                                              May '23 – Jul '23
- Successfully segmented **2400** CPG stores, leading to a **15%** increase in marketing and sales effectiveness through targeted strategies.
- Created a **Tableau** dashboard providing insights into **vegan** and **non-vegan** product performance across store locations, resulting in data-driven decision-making and a **25%** boost in informed choices.
- Led data collection, preprocessing, and advanced analysis efforts, employing **Python** and **machine learning techniques** to categorize products into distinct vegan and non-vegan segments, which improved **product recommendations** and **customer engagement**.

**Telecommunication churn prediction**
- Used Python with Scikit-Learn, Pandas, NumPy, Matplotlib, and Seaborn in a Jupyter Notebook to achieve a **70%** accuracy rate in **predictive models** through optimization.
- Conducted comprehensive **data preprocessing** and **cleansing** tasks in **Python**, enhancing model accuracy and robustness.
- Collaborated across teams, leveraged **Tableau** for insightful **visualizations**, and successfully deployed machine learning models for real-time churn prediction with ongoing maintenance.

**Visualizing Capital Bike Sharing Dataset, Washington D.C - Business Intelligence Reporting**
- Extracted, transformed, and integrated data from the Capital Bike Sharing Dataset for analysis in **Tableau** and **Qlik**, enabling interactive and user-friendly data exploration.
- Analyzed usage patterns of **Registered** and **Casual** users during weekdays, weekends, and seasonal changes, providing valuable insights for decision-making.
- Developed **quick calculation** tables to analyze usage patterns of Registered users (82%) vs Casual users (18%) during weekdays, weekends, and seasonal changes.
- Conducted **statistical analysis** to identify trends and relationships between user numbers and variables such as wind speed, temperature, and humidity, facilitating data-driven decision support.

**Text Analysis - Natural Language Processing**
- Strong proficiency in Python, serving as the primary programming language for NLP and text analysis.
- Experienced with essential Python libraries for NLP, including NLTK, spaCy, gensim, scikit-learn, and TensorFlow.
- Skilled in conducting exploratory data analysis on text data, implementing NLP machine learning models, and constructing comprehensive NLP pipelines in Python.

**Student Teacher Interaction**                                                                                 Jan '18 – Jun '18
- Led a team of 4 to successfully launch the STI site, resulting in a 40% reduction in in-person interactions between students and teachers.
- Orchestrated the entire design and development process using PHP, HTML, and SQL.
- Streamlined data input for over 10,000 students and college staff, enabling efficient management of student certifications, papers, instructor notes, and publications within the system, leading to a 30% increase in administrative efficiency.

## EXTRA-CURRICULAR

**SyncPic.**
- Created an efficient Python application that minimizes data redundancy, conserves storage, employs Computer Vision for data comparison (outperforming human speed by 95%).
- Leveraged Python's robust libraries and frameworks for Computer Vision and data processing.
- Incorporates an algorithm for organizing data into a "Year/month" folder arrangement by utilizing metadata to determine capture dates with a time complexity of $O(n)$

## EDUCATION

**Master's. in Analytics**                                                                                      *Sep '21 – Jul '23*
Northeastern University, Boston, MA                                                                          *GPA:3.93*
**Bachelor of Engineering in Computer Science and Information Technology**                *Jun '15 – Jun'18*
Datta Meghe College of Engineering, University of Mumbai, India