



Aishwarya Belekar

(Open to relocate anywhere in the US)

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SUMMARY

Passionate data professional skilled in leading complex projects, driving business success through meticulous solutions in data engineering and analytics

EDUCATION

- Arizona State University - Master of Science** Aug 2022 - May 2024
Information Technology - Information Systems Management CGPA: 4.0/4.0
- SNDT Women's University - Bachelor of Science** Aug 2016 - May 2020
Computer Science and Technology - Data Science CGPA: 3.4/4.0

WORK EXPERIENCE

- Arizona State University - Tempe, AZ** Jan 2023 - Present
Graduate Teaching Assistant - Advanced Big Data & DBMS
 - Led the orchestration of a comprehensive machine learning environment utilizing Scala for Databricks, achieving course objectives, and optimizing AI model management effectively
 - Oversaw the implementation of MongoDB and NoSQL databases in Big Data and Hadoop ecosystems, contributing to the academic success of over 300 students in the "Big Data Analytics" course
- Rocket Mortgage - Detroit, MI** Aug 2023 - Jan 2024
Database Administrator Co-op
 - Automated file group space management via Power BI Report Builder and SQL Server, ensuring proactive alerts and forecasting for optimal storage utilization
 - Monitored end-to-end data processing and integration for reporting, and analytics that resulted in improved forecasting accuracy by 70%, leading to enhanced decision-making processes
- LexisNexis Risk Solutions - Alpharetta, GA** May 2023 - Aug 2023
Data Science Intern - Fraud Analytics
 - Spearheaded the development and implementation of an Automated Daily Regression Monitoring Dashboard that enabled real-time insights into daily performance, resulting in an 80% reduction in manual data visualization efforts using Microsoft Power BI, Kibana, Python, ECL, and HPCC
 - Leveraged Atlassian collaboration tools, including Jira, Bash, and Confluence, to streamline project workflows and enhance team collaboration, elevating data processing efficiency and productivity
- Torm Shipping - Mumbai, India** Jun 2020 - Jul 2022
Business Intelligence Developer
 - Developed high-performance multidimensional OLAP cubes for the Performance team and provided them real-time Power BI dashboard to monitor tanker performance, helping the business achieve its goal of reducing Sulphur Emission levels by 1% YTD
 - Executed project roadmaps leveraging C# and Python to extract and load data via REST APIs in CSV/JSON format, modifying ETL packages, and automated the process by making a time-triggered bot
 - Created Robotic Process Automation (RPAs) involving web scraping, OCR, and various alerts, resulting in daily time savings of 1-2 hours per vessel and cost reductions of \$500 per vessel using Python, T-SQL, Tableau, and Power Automate
 - Tailored an SSIS framework for ETL(Extract, Transform, Load) packages that could load about 200 million records in minutes by automating the process with BIML, resulting in a 40% reduction in the number of hours spent manually developing ETL packages
 - Used SQL Server Wizard to deploy over 100 ETL pipeline solutions to production using bat files and one-click deployment, streamlining the deployment process through CI/CD best practices. Deployed over 150 SOX Compliant reports using SSRS over SharePoint to further automate the reports for visibility to upper management
- Tata Consultancy Services - Mumbai, India** Jun 2019 - Aug 2019
Software Development Intern
 - Developed a cutting-edge typing test program to assess candidate proficiency, capturing and analyzing responses for detailed metrics on correct/incorrect words typed. Optimized the hiring process by 40%, streamlining candidate evaluation and selection
- IIT Bombay - Mumbai, India** Jun 2018 - Aug 2018
Research and Development Intern
 - Executed the end-to-end design, development, and testing of an innovative Digital Learning platform, fostering significant economic growth in rural areas by successfully facilitating skill development for over 10,000+ users

LEADERSHIP EXPERIENCE

- Machine Learning Research Assistant - Military UAV Dynamics, ASU:** Led UAV simulator research at ASU, integrating Artificial Intelligence to analyze and optimize teamwork dynamics. Designed and implemented data collection protocols to gather relevant data points, focusing on mitigating challenges related to uncertainty and teammate interdependency. Conducted time series analysis to identify trends and patterns in UAV mission geospatial data to enhance predictive accuracy and spatial understanding
- Vice-president, ASU Table-Tennis:** Strategically coordinated team activities, practices, and travel logistics for NCTTA tournaments, securing victories in the California Division

SKILLS

- Technical Skills:** Python, C++, SQL, C#, NodeJS, HTML, CSS, DAX, Git, Kafka, Scala, Spark, Bash, VMWare
- Tools & Technologies:** SSMS, SSIS, Postman, UiPath, PowerBI, SSRS, VS Code, Docker, Tableau, AWS (EC2, EBD, RDS, S3), Power Apps, SAP, Snowflake
- Databases:** MS SQL Server, NoSQL (MongoDB, Cassandra, DynamoDB), Amazon RDS
- Microsoft Azure Services:** Azure Data Factory, Azure Databricks, Azure Synapse Analytics, Azure SQL Database, Azure Blob Storage
- Soft Skills:** Problem-Solving, Collaboration, Adaptability, Attention to Detail, Time Management

CERTIFICATIONS

- Microsoft Certified: Azure Data Engineer Associate:**
- AWS Academy Graduate: AWS Academy Cloud Architecting :**
- openSAP: Generative AI at SAP:**

PROJECTS

- Voice based E-mail for the Visually Impaired:** Executed the design and deployment of an innovative solution, employing Speech-to-Text and Text-to-Speech technologies in the .NET framework, resulting in impactful outcomes.
- An IoT-based Weather Monitoring System:** Implemented with 10-12 nodes, utilizing Raspberry Pi and AWS that Enabled real-time global monitoring and alerts through RESTful web services, enhancing weather data accessibility.