Aishvarya Salvi

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EDUCATION

- **University at Buffalo –** Master of Science (MS) in Data Science | **Dec 2025**
  Relevant Coursework: Data Mining & Statistics, Machine Learning, Data Models Query Language, Data Intensive Computing, Probability
- **Savitribai Phule Pune University -** Bachelor of Engineering in Computer Science (CGPA : 8.23/10) | **May 2021**

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL, Java, R, C/C++, JavaScript, jQuery, HTML/CSS
- **Frameworks & Libraries:** Pandas, NumPy, Matplotlib, Scikit-learn, TensorFlow, Streamlit , FastAPI, Selenium, TF-IDF, Seaborn Dagshub, MLFlow, Karate API
- **Developer Tools**: Git, GitHub, Docker, VS Code, PyCharm, IntelliJ, Eclipse, MATLAB, Outlook, MS Office, MS Word, Excel, Oracle Database Developer, JIRA, Tableau, Power BI
- **Certifications:** Java, Python, SQL, Docker, Git Essentials, Jenkins, Postman, Data Analytics, Agile

EXPERIENCE

MEDIAOCEAN

Software Engineer | April 2023 – July 2024

- Developed test automation frameworks using Selenium and Karate, reducing manual testing efforts by 60%.
- Crafted and executed in-depth test plans and scripts, uncovering critical bugs that compromised product stability; findings to fix the three biggest causes of crashes led to enhanced user experience.
- Collaborated with developers to resolve defects, contributing to the on-time delivery of a high-quality product.
- Enhanced system efficiency by 20% through automation and optimization of testing processes.
- Worked with cross-functional teams to perform root cause analysis on critical production issues, significantly reducing issue recurrence rates and streamlined testing workflows by integrating CI/CD pipelines with automation frameworks, reducing testing cycles by 25%.

Associate Software Engineer | Aug 2021 – March 2023

- Conducted end-to-end testing for Prisma, ensuring compliance with quality assurance standards.
- Tested APIs using Postman, ensuring seamless integration and meeting all project functionality requirements.
- Defined detailed and comprehensive test cases, ensuring precise coverage of edge cases and scenarios.
- Reported and tracked defects using JIRA, facilitating timely resolution and enhancing product quality through clear communication with stakeholders.

PROJECTS

Heart Attack Prediction using ML and Feature Engineering Pipeline

- Engineered a full data pipeline from SQL-backed patient records into cleaned, labeled datasets using Python and Pandas.
- Applied logistic regression, random forest, and SVM to build predictive models with up to 91% accuracy
- Designed and deployed a Streamlit dashboard for clinicians to input patient metrics and get real-time risk scores.

Fleet Management System – Optimized Relational Database and Analytics Dashboard

- Designed and implemented a normalized relational schema (3NF) to manage vehicle, driver, and maintenance data for a fleet of 50,000+ vehicles.
- Applied indexing, foreign key constraints**,** and query profiling to reduce report generation time by **50%**.
- Built interactive Streamlit dashboards to visualize route efficiency, fuel consumption, and vehicle downtime, improving decision-making for operations teams.

Sentiment Analysis for YouTube Comments | Python Project

- Built an end-to-end sentiment analysis pipeline with ETL, preprocessing, and ML models (Logistic Regression, SVM, Random Forest) achieving 92% accuracy. Used TF-IDF and VADER for feature extraction and sentiment scoring.
- Developed a Streamlit dashboard for real-time visualization with Matplotlib and Seaborn, enhancing analytics efficiency by 40%.