

Ishan Hirani - SDET

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EDUCATION

IIT Jodhpur

Post Graduate Certificate in ML & AI

Gondwana University

Bachelors of Engineering in Computer Science

November 2024 – January 2025

8 CGPA

August 2017 – May 2021

10 CGPA

SKILLS SUMMARY

- Language:** C, C++, HTML, CSS, JavaScript, jQuery, SQL, Python
- Frameworks:** WebDriverIO, Cucumber(BDD), Pandas, NumPy, Scikit-learn, Matplotlib
- Other Tools:** Microsoft office, Git, GitHub, Bitbucket, Azure Board, JIRA, ALM, Postman, JMeter, BlazeMeter, Jenkins

WORK EXPERIENCE - Accenture

Application Development Associate – development, manual and ETL testing **October 21 – December 23**

- Developed 20+ Static Templates based on Figma using HTML, CSS, JavaScript and jQuery for Internal project.
- Maintained and Developed detailed test cases and served as a Subject Matter Expert (SME) for critical testing phases, demonstrating strong analytical and communication skills.
- Utilized Azure Boards for comprehensive product backlog management and bug tracking, effectively participating in Agile sprint cycles to ensure timely and efficient software releases.
- Built Python scripts to validate ETL and integration testing by verifying data transformation and consistency from source to consumption domain ensuring seamless data flow across systems like Veeva Vault and Databases like SQL Data Warehouse, Denodo and Snowflake to get unified data view, speeding up testing by 40%.
- Crafted and executed over 30 complex SQL queries for various integrations to validate data integrity, ensuring alignment with business mapping requirements.

Application Development Analyst – QA Automation, Performance and API testing **January 24 – Current**

- Collaborated with Dev/BA teams in Agile (Scrum) to align tests with requirements via JIRA.
- Automated 80+ test cases using JavaScript in step definition files, crafting efficient XPath locators by implementing Page object model design pattern, reducing regression effort by 60%.
- Maintained and refactored legacy scripts, improving stability to 95%+ pass rate in CI/CD.
- Conducted API testing using Postman and performance testing using JMeter and BlazeMeter extension, identifying system bottlenecks issues which enhanced application performance and reduced load time of application by 66%.
- Generated comprehensive test reports summarizing test results, including defect metrics, performance metrics and test coverage.

PERSONAL PROJECTS

Healthcare Recommendation System | Python, Scikit-learn, Flask, Pandas, Html, CSS, JavaScript, pickle - LINK

- Developed HealthMate, an end-to-end web-based healthcare recommendation system which predicts prognosis based on user-inputted symptoms, and provided personalized recommendations for medications, precautions, diet, and workout routines.
- Followed Machine Learning Development Lifecycle, Implementing Classification Algorithms like Random Forest and KNN.
- Evaluated the model's performance using a confusion matrix, achieving 90% accuracy, and identified areas for improvement.

Retail Management Application | Python, SQL, Tkinter, MySQL - LINK

- Developed a GUI based application consisting of user registration, login and billing windows that integrates with MySQL to manage customer and product data, executing queries for data storage, retrieval, and billing operations.
- Implemented robust data handling processes, including: Data Normalization, CRUD Operations and Data Validation and Verifications, leading to 45% improvement in query execution times for Aggregate function results and Analysis.

AWARDS AND ACHIEVEMENTS

- GATE Exam 2024 Qualified - 85.23%ile
- Accenture Growth Catalyst Award
- All India powerlifting championship (silver medal 2022)

CERTIFICATIONS

- Microsoft Azure Cloud Certifications: - AZ-900, AI-900, DP-900
- Udemy: - SQL Masterclass for data analytics