

PavanKumar Nakka

CONTACT INFO



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EDUCATION

UNIVERSITY OF DELAWARE

MASTER'S IN BUSINESS ANALYTICS
AND INFORMATION MANAGEMENT
Feb 2023 - Dec 2024 | Newark, DE
Cum. GPA: 3.96 / 4.0

SKILLS

PROGRAMMING

Python • R • SQL • PostgreSQL
SAS • CSS • HTML

LIBRARIES

Pandas • Numpy • Matplotlib
• Dplyr • TidyR • ggplot2

ETL TOOLS

Power Query • Alteryx

BI TOOLS

PowerBI • Tableau • QlikSense

TOOLS/PLATFORMS

Excel • Word • Microsoft
Access • Jira • Azure DevOps
• TestRail • Selenium • Git
• SharePoint • Confluence

METHODOLOGIES/SOFTWARE TESTING

SDLC • Agile Methodologies
• STLC • WBS • User Stories
• Sprint Planning • Defect Life
Cycle • RTM • Test Planning •
Test Cases • Defect Triage
• Manual Testing • UAT
• Test Automation • Smoke
Testing • Regression Testing

CERTIFICATIONS

- **HackerRank SQL Advanced**
- **Alteryx Designer Core**
- **QlikSense** Business Analyst
Qualification
- **ISTQB Agile** Tester Extension
- **ISTQB** Foundation Level

EXPERIENCE

ACCENTURE | APPLICATION DEVELOPMENT TEAM LEAD

Mar 2021 – Jan 2023 | Hyderabad, India

- Managed team operations ensuring over 90% achievement of performance targets in **quality assurance**.
- Participated in **requirements gathering** and **analysis** meetings with clients for a social-media project.
- Converted 100% of the requirements into **user stories** for 4 revenue modules, adhering to BDD principles.
- Implemented **test strategies** and **test plans** resulting to 80% reduction in defects and 25% improvement in testing efficiency.
- Utilized **PowerBI**, including **DAX**, and **Power Query** to track 50+ **KPIs** and deliver insights, improving decision-making efficiency by 15%.
- Created detailed project guides in **Confluence**, streamlining team workflows, accelerating onboarding by 30%, and enhancing cross-functional knowledge sharing.
- Trained 15+ associates on **quality assurance**, reducing error rates by 25%, and led 20+ technical training sessions to improve team proficiency.

TECHNOVERT SOLUTIONS | SOFTWARE ENGINEER - QA

Jun 2016 – Mar 2021 | Hyderabad, India

- Engaged in early **SDLC** stages, assessing program capabilities, defining features, and determining testing requirements.
- Documented 100+ **user stories** aligning to **BDD** principles and managed **sprint backlogs** in Azure DevOps.
- Ensured **100% test coverage** by designing detailed **test plans** and 1000+ **test cases** for **databases, web/mobile applications**.
- Performed **end-to-end testing**, identified, and documented more than 200 **critical defects** within **Azure DevOps**.
- Collaborated with data analysts to define business rules and data quality standards, and incorporated them into the **ETL validation** framework to detect anomalies in data.
- Documented complex **SQL queries** for querying data against different data bases for data verification process.
- Developed 30+ functional test scripts using **Selenium WebDriver** and **Java** reducing manual efforts by 80% and preventing frequent human error.

PROJECTS

FRAUD ANALYSIS FOR POSSIBLE FINANCE | R, RSTUDIO, AWS REKOGNITION, EXCEL

- Developed an application using **R** and **AWS Rekognition** package, achieving 95% accuracy in detecting fraudulent logins.
- Conducted **fraud analysis** by cross-referencing the login list and customer database, resulting in the identification of frauds with a 100% accuracy rate.

SOCIAL MEDIA ER MODEL | DATA MODELLING, ERD, MICROSOFT ACCESS, SQL

- Designed a scalable, normalized **ER model** in **Microsoft Access** to efficiently organize data for a social media platform.
- Created **SQL** queries for data retrieval, manipulation, and reporting, enhancing analytical capabilities.
- Optimized **SQL** query execution and database performance through indexing and performance tuning techniques.