

# SIRI SUSHMA PENUMATSA

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## EDUCATION

**Central Michigan University**, Mount Pleasant, MI

Anticipated Graduation: May 2024

*Master of Science, Computer Science* GPA – 3.71/4.0

**Relevant Coursework:** Artificial Intelligence, Modern Database, Bigdata Analytics, Application Development

**Geethanjali College of Engineering and Technology**, Hyderabad, India

*Bachelor of Science, Electronics and Communication Engineering*

July 2021

## TECHNICAL SKILLS

- **Core:** C, C#, Java, Python
- **Databases:** SQL Server Management Studio
- **Web Technologies:** HTML, CSS, Java Script Tools: GIT, GitHub, Linux, Docker, Microsoft Office Suite, AzureDevops
- **Testing Tools:** Selenium, JUnit

## WORK EXPERIENCE

**Cognizant Technology Solutions**, Chennai, India

August 2020-July 2022

*Programmer Analyst Trainee*

Responsible for meeting client requirements and working on various modules and applications as a Test Analyst, Tester, and Production support/maintenance resource.

- Developed comprehensive test cases and designed test scenarios based on business requirements and functionality.
- Contributed to regression testing during the initial stages, ensuring the quality of software modules.
- Executed test cases and analyzed results to identify and report defects.
- Experience working on ASPEN and Member portal applications.
- Involved in functional testing and regression testing for regular manual regressions.
- Collaborated with onsite developers, testers, and business users to understand defects and analyze requirements and functionality.
- Skilled in bug tracking, testing, and logging using AzureDevOps.
- Actively participated in user story analyses to ensure alignment with project objectives.
- Demonstrated excellent communication skills by effectively coordinating with stakeholders to resolve high-priority bugs within tight schedules.

## ACADEMIC PROJECTS

### Ecommerce Data Analysis

eCommerce Behavior Analysis of a Multi-Category Online Store

- Used PySpark libraries and Spark SQL for data manipulation and querying.
- Created visualizations including a pie chart for event type distribution and bar charts for hourly and minute-based event counts. Identified high-view and low purchase rate suggesting opportunities for improving conversion.
- Demonstrated proficiency in PySpark, data analysis, data visualization, and deriving actionable insights from large datasets.

### Indian Premier League (IPL) Cricket Bowling of All Seasons

- Data exploration and data-driven decision-making were carried out on IPL bowler's dataset to extract valuable insights.
- Ensured data integrity and completeness by using advanced data cleaning techniques, such as outlier detection.
- Developed and implemented machine learning algorithms, such as linear regression and classification models, to predict player performance and enhance team strategies.

### Research on Human Computation

- Authored comprehensive documentation on human computation, consolidating information from credible sources and covering methodologies, techniques, and best practices.
- Organized the documentation into sections on algorithm design, data quality assurance, and user experience, providing a clear and concise overview of the field.
- Enhanced comprehension through real-world examples and case studies, collaborating with subject matter experts to ensure accuracy and validity. Published the resource online for researchers, practitioners, and enthusiasts in the field.