

# Arunasri NISHTala

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Citizen: US, Clearance: Public Trust

## PROFESSIONAL SUMMARY

- ✓ 8+ years in SDLC as Requirement Analyst and Quality Analyst
- ✓ 3+ years experience in Healthcare, 5+ years in Federal Contract
- ✓ 2+ years served as Lead supervised a team of 5 junior testers
- ✓ Python, R, JSON parsing, Data analysis
- ✓ Automation: Robot Framework, Protractor, Android, ios app design and test
- ✓ UI/UX designer for case scenarios, sequence diagrams and wireframe documentation
- ✓ Physics and Mathematics Lecturer/Tutor for more than 10 years
- ✓ Served as Scrum master, Scrum ceremonies and agile methodology experience
- ✓ Proficient in JIRA, Confluence, Testrail, Integrating multiple systems
- ✓ Trained in HIPAA regulations, IV&V testing and 508 compliances

## KEY SKILLS SET

<b>SDLC Methodology</b>	Agile, Scrum, Scrum master
<b>UI/UX</b>	FIGMA, UML
<b>Automation, Scripts, Data Analysis</b>	Protractor, Robot Framework, Python, R
<b>Documentation and Reporting</b>	Confluence, JIRA, Testrail, Jenkins, SharePoint, EXCEL
<b>Systems/ network</b>	MS Office Suite, Windows, Unix, Android, MacOS

## WORK EXPERIENCE

### Babyscripts

September 2021 - present

**Project details:** Babyscripts is a pregnancy monitoring app recommended for patients by Care providers. A unique platform that proactively works with patients that may have high BP leading to Preeclampsia, and Postpartum hypertension. Created complete requirement documentation and SDET architecture from the ground up.

#### **Roles and Responsibilities:**

- ❖ Quality Assurance Lead
  - Complete SDET architecture from the ground up
  - Lead a team of four junior testers, actively involved in training and establishing testing best practices
  - End to end conversion of test cases to Automated scripts ( using Robot Framework)
  - Found multiple show stopper bugs before release preventing bugs going live in PROD
- ❖ Business Analyst
  - Document business requirements from scratch and core project design with expected results
  - Involved in UI/UX design for new feature implementation and to complete scenario gaps
  - Initiative in adding new features to the product that will increase value and stability of app

## CNI, Rockville, MD

September 2019 - October 2021

### FDA Project: GSRS- Global Substance Registration System

**Project details:** GSRS is an FDA project that registers all ingredients (substances: organic, inorganic and concepts) used in regulated products. These ingredients are classified into Chemicals and Proteins etc. GSRS has over 200 thousand substances in its database, cutting edge chemical drawing interface tools and search engines that can identify structures, name, codes and formula throughout the site and patterner sites. A group of scientists review these substances for approval

#### **Roles and Responsibilities:**

- ❖ Quality Assurance
  - Lead tester for System, End-to-end and Regression test for each release, Smoke testing
  - Creation, execution of automated scripts (Robot Framework, Protractor), Jenkins integration
  - Testing with Rest API, JSON parsing for data analysis
  - Testing JS Draw for Chemical, Polymer structure.
  - 508 compliance testing methods according to the Federal Accessibility Regulations and Best Practices
- ❖ Business Analyst
  - Requirement gathering from FDA, NCATS scientists and affiliated foreign clients
  - Branching out Business rules and Scientific regulation separately
  - Maintaining traceability matrices for documenting enhancements
  - Agile based weekly and monthly sprint status, dashboard updates for Project workflow. Dashboards include various defect and Project related Metrics details and scientific nomenclature representation discussion
- ❖ Data analysis
  - JSON parsing for Data analysis, and data manipulation using Python
  - Statistical analysis of substance data in production in R and Python (Pandas, NumPy)
  - Check Data Integrity

## CMS QASP

**Project details:** Confidential

#### **Roles and Responsibilities**

- ❖ Meeting Clients for Requirement gathering
  - Analyzing given requirements to see if there may be a gap in the web flow.
  - Writing test cases from scratch and execution part by part while the product was being built.
- ❖ Worked with client requirements for UI features and functionality discussions
- ❖ JIRA and Confluence for client requirements and defect tracking

## Cognizant, Rockville, MD

March 2019- Sept 2019

### TTAP- Trizetto Touchless Authorization processing

**Project details:** TTAP is a bridge between Medical Insurance companies and the care providers, it facilitates the status of approval process provided by the insurance company to a patient, reducing the time and anxiety when a patient is deciding to go through a medical procedure.

#### **Roles and Responsibilities**

- Test design and planning of test scenarios, writing test cases for brand new products
- Selenium Automated scripts with Robot Framework, and using selenium library with Python
- Integration testing with various medical insurance companies. End to End testing along with UAT
- Analyzing requirements for logic and any potential gaps
- Written scripts to analyze nested JSON

**ICF International, Rockville**  
**FAFSA Application (Federal Student Aid)**

**Aug 2015- March 2019**

**Project details:** The site provides information and works as a platform to register and qualify applicants for financial assistance. Millions of users log into the web site daily. Our group at ICFI contributes to the up and running of the site in a crucial way, as we test each functionality with over 100, 000 test cases. Right from generating the complete functional specifications to creating all the test scenarios, writing the respective test cases and executing the same. Logging all the problems encountered along with providing regression testing and UAT services.

**Roles and Responsibilities**

- Designing foundations of Test design and planning taking into account time for execution ❖ Tested one of the most important areas called the Skip-logic and Text Dynamics, which is the skeletal part of any web testing where users are required to fill in a form and the dynamic text appears depending on answers filled in by the user
- Tested on the UAT team at Department of Education
- 508 compliance testing according to the Federal Accessibility Regulations and Best Practices ❖ Tabulated the traceability matrices for documenting the many-to-many relationships in the test areas for completeness purposes.
- Prepared Weekly and Monthly Status dashboards for Project Test Status updates.

**Physics Department, Drexel University**

**Project: Invariant features in 3D nonlinear systems**

**2002-2006**

**Project Details:** Working with Non-linear Dynamics group in the Physics department, my research focus was on studying the invariant features in 3 Dimensional nonlinear differential equations namely the genus of strange attractors, the flow of the vectors and their linking numbers for different periodic orbits. To understand if these invariants can be used as a signature character to determine the types of nonlinearity present in real time data sets. The application of this research is wide ranging: Designing stable lab apparatus; Predicting seizures in epilepsy patients and predicting trends in stock market etc.

**Roles and Responsibilities**

- Analyzing 3D time series data to determine topological invariance and non-linear behavior of given system
- Determining closed orbits of various strange attractors (example: Lorenz, Rossler attractor)
- Literature survey, Research study and Documentation of results for publication

**PUBLICATIONS**

Embedding of a strange attractor into R<sup>3</sup>, Tsvetelin D. Tsankov, Arunasri Nishtala, and Robert Gilmore, Phys. Rev. E 69, 056215 (2004)

**ACADEMIC QUALIFICATIONS**

<b>BSc Physics Honors</b>	SSSIHL Anantapur, India
<b>MSc. Physics</b>	IIT Bombay, India