Sai Nagesh Gowra Balaji

sainageshgowrabalaji@outlook.com | 862-423-6025 | LinkedIn

EDUCATION

New Jersey Institute Of Technology (NJIT), Newark, NJ *September 2023 - December 2024*
Master of Science (MS), Computer Science *CGPA : 3.625*
Sree Vidyanikethan Engineering College (Aff to JNTU), Tirupathi, India *August 2016 - May 2020*
Bachelor of Technology (B.Tech), Computer Science and Engineering *CGPA : 8.520*

WORK EXPERIENCE

Gurudatta Jewellers **GitHub** **Chittoor, India**
Software Developer *June 2021 - August 2023*

- Created a dynamic web page utilizing the **React & Node** to showcase live gold and silver prices alongside a comprehensive 40-year price history and implemented web scraping techniques to automate updates in **MongoDB.**
- Orchestrated the entire product cycle for a web-based jewelry software using **Django framework** integrating sales, billing, purchases, repairs and customer complaints functionalities into **ERP system** of business operations.

BNY Mellon Technology **Chennai, India**
Associate Software Engineer (Grad Dev) *July 2020 - May 2021*

- Implemented advanced backend features, such as efficient data extraction, and utilized **Apache POI** libraries for Excel manipulation to streamline data processing and reporting tasks.
- Incorporated email capabilities into **QED Dashboards** using the **FTL template engine** in **SpringBoot** Framework.
- Synchronized tables for graphical metrics to ensure a visually engaging and easily understandable user experience.
- Collaborated with the **R&D** team and pioneered the development of an interface for automating **Behavior-Driven Development** testing scripts for web pages in the **Client-Onboarding (COB)** portal.
- Executed **BDD automation** testing scripts for diverse composite dashboards within the **NetX360** application.
- Conducted manual testing activities including Product Life Cycle testing, feature/bug fixes testing, and **functional/regression testing** within Agile sprints using **JIRA** for task management.
- Designed and executed over 500+ test cases derived from 40+ unique stories using **Java**, demonstrating collaboration and support for the business and testing teams.

Software Developer Intern *January 2020 - June 2020*

- Developed **Quality Engineering Dashboard (QED)** using **SpringBoot** microservices integrating with **Oracle DB** and **SQL Server** ensuring data integrity, accessibility and reliability by leveraging a robust backend driven infrastructure.
- Utilizing **jQuery** and **Bootstrap** allowed for the development of a user-friendly and intuitive interface, enhancing accessibility and usability for internal LOB teams.
- Documented technical workflows and reports using **Confluence** to support development and enhance project visibility.
- Authored precise automation testing scripts using **Java-API** Testing, **TestNG**, and the **Cucumber Framework** for diverse QED portal dashboards.

SKILLS

Programming Languages	:: C, C++, JavaScript, Java, Python, PHP, R(Foundational)
Skills	:: Data Structures & Algorithms, Regex, XML, RESTful web-services, RestAssured, Apache POI
Technologies	:: SpringBoot, Microservices, FTL, Django, jQuery, Flutter, ElectronJS, React, Node, ML, React Native
Testing Automation	:: Java-API Testing, TestNG, Cucumber Framework, Selenium, BDD Automation
QA Testing	:: Product life cycle, Feature/Bug fixes, Functional/Regression testing, Agile Sprints, JIRA
Database Skills	:: Oracle DB, Microsoft SQL Server, SQLite, MySQL, PL/SQL, MongoDB
Tools and Cloud	:: Jenkins, Docker, Git, AWS

PROJECTS

Memoir Application (Hybrid Desktop Application) GitHub
Intuitive platform integrated **Electron** with **React**, allows users for journaling thoughts and facilitating efficient tracking of logs.
Symptom Tracker with Coping Strategies (Cross-Platform Mobile Application) GitHub
Developed utilizing **React Native** with integrating **LLM functionality** for symptom tracking and personalized coping strategies.
Gold and Silver Price Prediction (Machine Learning) GitHub
Employed **advanced time series** algorithms to predict gold and silver prices using Ycharts data, providing insights for investors.

Prediction of tariff rate for the next session truck load (Machine Learning) *Academic* GitHub
Using **regression models and decision trees**, the project forecasts tariff rates for the next session, aiding business costs effectively.