# Yeswanth Chandrasekhar

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## Education

**University of Texas at Dallas | Richardson, TX, USA** **May *2025***
Master of Science in Business Analytics and Artificial Intelligence (GPA: 3.52/4.0)
**BMS Institute of Technology and Management | Bengaluru,India** ***July 2022***
Bachelor of Technology in Computer Science and Engineering

## Skills

**Programming Languages and Databases:** Go, Java, TypeScript (& JavaScript), C, Kotlin, R, MongoDB, MySQL, Python, SQL
**Frameworks & Interfaces:** Spring Boot, Django, Streamlit, PySpark
**Developer Tools:** AWS (Lambda, ECS), Azure, Docker, Kubernetes, Ansible, CI/CD (Bamboo, GitHub Actions), Datadog
**Testing**: Selenium WebDriver, TestNG, JUnit, Cucumber/BDD, Appium, Typescript, Automated testing, Manual testing, Test plans creation, QA methodologies, Performance testing, Security testing, A/B Testing, API Testing, Playwright
**Miscellaneous:** KNIME, Tableau, Power BI, Git, Matter protocol, Predictive Analytics, Data Structures, Prompt Engineering

## *Experience*

***Software QA Engineer | Synchronoss Technologies, Bengaluru, KA, India*** **July *2022 – July2023***

- Led backend automation testing for Verizon Cloud application APIs using Maven, TestNG, and Shell scripting, improving release cycle stability across pre-production and production environments. Executed weekly regression suites, sanity tests, and storage validations, ensuring consistent quality assurance during high-frequency deployments.
- Resolved inbuilt dependency issues and collaborated with DevOps teams to containerize the automation test suite using Docker, reducing test failures due to environment mismatch.
- Wrote test cases for core-component upgrades and new feature rollouts, contributing to higher test coverage and earlier bug detection. Performed Web-CS (Customer Service) validation for cloud features and supported the UI testing team by identifying and debugging account and storage-related issues across staging and production.
- Assisted the development team in testing and stabilizing Kubernetes-based infrastructure, helping transition the environment from QA to live production with minimal downtime. Conducted SQL-based backend data validations and environment cleanups, ensuring smooth test environment hygiene and rapid test reruns for critical scenarios.
- Collaborated with the Machine Learning team on testing analytics-driven features, contributing to data refinement processes that improved feature performance and boosted model result accuracy by 15%.

***Cloud QA & DevOps Intern | TCR Innovation, Bengaluru, KA, India*** **January 2021 - July 2022**

- Authored Java/TestNG scripts in LocalStack to automate smoke tests for Lambda and API Gateway, minimizing repetitive testing efforts.
- Assisted in designing Terraform modules to provision temporary QA environments for pull requests and built a Python tool to inject synthetic S3 events into SQS for robust edge case testing.
- Enhanced a Node.js ingestion service by submitting pull requests that incorporated basic CloudWatch metrics and resolved minor bugs while monitoring Lambdas with Datadog APM to flag and address a memory spike.
- Engaged in daily stand-ups, meticulously logged issues in Jira, and documented onboarding procedures to streamline the transition for future interns

***Web Development Intern | Remote - Lets Grow More, Bengaluru, KA, India*** **October 2021 - November 2021**

- Built a responsive single-page website using HTML, CSS, and JavaScript, showcasing clean UI, semantic layout, and mobile-friendly design principles.
- Developed a React.js web app using create-react-app that fetched and displayed live data from a public API, implementing asynchronous calls, loading states, and error handling.
- Deployed both projects on GitHub Pages, maintained clean version-controlled repositories, and followed component-based architecture and frontend best practices throughout.

## Projects

**LLM-Driven QA Test Authoring (in progress))** | Python · Playwright · PyTest · GitHub Actions **May 2025 - Present**

- Prototyping a pipeline that turns user-story markdown into Playwright tests via cloud-LLM prompts, AST validation, and async→sync auto-fix, targeting 60% manual-coding time.
- Wiring CI: GitHub Actions regenerates tests, runs them on 3 browsers, reruns the suite thrice for flakiness, and posts timing reports, establishing dependable green/red gates.

**Vehicle Ranking System (Capstone)** | Python, Random Forest, Streamlit **January 2025 - May 2025**

- Designed and deployed a Smart Weighted Vehicle Ranking System on 8k used-car listings: end-to-end pipeline cleans and scores data, ranks cars in real time.
- Users can set mileage, seat, and price weights, or filter by budget. SHAP explainers and outlier detection flag overpriced listings and build user trust.