K V SATYANARAYANA GANDROTHU

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SUMMARY

Aspiring Engineer with strong foundational skills in Python, Java, and TypeScript. Experienced in developing test automation solutions using Playwright, and adept at log analysis and data extraction for enhanced application monitoring using Python. Demonstrated ability to integrate testing workflows across teams, standardize practices, and drive automation efficiency. Known for adaptability, commitment to learning, and a passion for building reliable and scalable systems in both academic and internship settings.

WORK EXPERIENCE

Associate Product Engineer I at Orion Governance, Chennai   Feb 2025 – Present

Key Responsibilities:

- To develop robust, maintainable and efficient test automation suite using Playwright
- To develop and maintain CI/CD pipelines for test automation
- To actively identify and fix issues over regression automation test suite
- To actively identify the application issues and collaborate with teams to fix and deliver quality

Key Achievements & Impact:

- Converted from intern to full-time role based on strong performance, ownership, and dedication to delivering high-quality solutions.
- Developed robust and efficient automation test suites using **Playwright** and **TypeScript**, applying best practices such as **Fixtures**, **Page Object Model**, and modular code architecture for maintainability and scalability.
- Collaborated with cross-functional teams to ensure timely test coverage and contributed to process improvements across CI/CD workflows.

TECHNICAL SKILLS

- Programming: Python, Java, SQL, TypeScript
- Automation & Testing: Playwright (TypeScript), Postman, JMeter
- Web Development: HTML, CSS, JavaScript, JSP, Servlets, Django
- Databases & Data Handling: MySQL, PostgreSQL, JDBC
- Developer Tools & Platforms: VS Code, Git, GitLab CI/CD, GitHub Actions
- Familiar with: Generative AI (LM Studio), Linux(basic)

EDUCATION

B.Tech in Computer Science & Engineering   Sri Vasavi Engineering College, Tadepalligudem
Aug 2021 – May 2025 | Score: **81.31%**

Intermediate (M.P.C)   Bhashyam Jr. College, Guntur
Aug 2019 – Mar 2021 | Score: **95.10%**

Secondary Education   Bhashayam EM School, Kotthapeta
Apr 2019 | Score: **95.00%**

PROJECTS

GenFlow

Tech Stack: Chrome Extension, Django REST Framework, React JS, Python, Generative AI(Concept)

- Developed an innovative full-stack solution to address a common industry pain point: replacing traditional, unclear test case lists with **visual, flow-based representations** of the application, dramatically improving **stakeholder clarity and test coverage**.

- Engineered a prototype that leverages Generative AI principles to provide **auto-generated, pre-aligned test code and locators**. This is designed to enable Test Automation Engineers to **maximize their daily automation rate by 50%**, shifting effort from developing 5 tests to fixing/developing 10–15 tests daily.

Enhancing Product Recommendations Using Personality-Based Interest Mining and Meta Path Exploration

Tech Stack: Java Full Stack, JSP, Servlets, MySQL

- Meta-Interest is a personality-aware product recommendation system designed to address redundancy and the cold start problem in recommender engines.

- By combining personality-based interest mining with meta-path exploration, the system personalizes recommendations effectively.

- The relationship between the users and products is predicted using a graph-based meta path discovery, therefore the system can predict implicit as well as explicit interests.

Faculty Vault

Tech Stack: Django, Postgres DB, Bootstrap, JS

- Built a full-stack web application using Django for managing faculty profiles, departments, and user accounts within educational institutions.

- Implemented core features like CRUD operations, user authentication, department-wise grouping, and search/filtering for efficient data access.

- Integrated data import/export functionality to simplify data migration and backup, and enabled PDF downloads for faculty profiles.

Book an Appointment – Doctor Scheduling System

Tech Stack: Java, HTML, CSS, JavaScript, MySQL, Servlets

- Developed a dynamic web platform for booking appointments with doctors across multiple specialties.

- Enabled real-time doctor selection, schedule browsing, and appointment confirmation.

- Applied full-stack web development principles ensuring responsive UI and efficient data handling.

CERTIFICATIONS

Microsoft Azure Fundamentals AZ-900 Certificate

Gained foundational expertise in Azure services, cloud principles, and architecture.

Oracle Certified Associate

Validated skills in Oracle SQL including data retrieval, joins, functions, and database design concepts.

ServiceNow Administrator Certified

Demonstrated hands-on skills in ServiceNow ITSM modules and system configuration.