GANDROTHU KANAKA VENKATA SATYANARAYANA

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Objective

Aspiring Software Engineer with hands-on experience in test automation, Python scripting, and full-stack development. Passionate about building scalable applications and ensuring product quality through automation. Seeking an opportunity to contribute to impactful engineering teams and grow professionally.

Work Experience

Associate Product Engineer I – Intern, Orion Governance, Chennai   Feb'25 – Present

Gained hands-on experience writing Python automation scripts and exploring data handling techniques. Progressed to working with PySpark for scalable data processing and transformation tasks. Currently building test automation frameworks using Playwright with TypeScript to ensure product readiness for production.

Academic Qualifications

Course	Year of Study	University / Board	School/College	Percentage
B.Tech	2021 – 25	JNTU, Kakinada	Sri Vasavi Engineering College	81.31%
Intermediate	2019 – 21	BIE AP	Bhashyam Jr College	95.10%
SSC	2018 – 19	BSE AP	Bhashyam English Medium School	95.00%

Skills

- **Programming Languages:** Python, Java, C, C++, SQL, TypeScript
- **Automation & Testing:** Playwright (TypeScript), Test Automation, Unit Testing
- **Web Development:** HTML, CSS, JavaScript, JSP, Servlets
- **Databases & Data Handling:** MySQL, PostgreSQL, JDBC
- **Developer Tools & Platforms:** VS Code, IntelliJ IDEA, Git, GitHub, GitLab
- **Computer Fundamentals:** Data Structures & Algorithms, Operating Systems, Computer Networks
- **Data Science & Analytics:** Machine Learning (Regression, Classification, Clustering), Data Preprocessing
- **Soft Skills:** Team Leadership, Adaptability, Dedication, Continuous Learner

Projects

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

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

Source Code: https://github.com/gandrothu/product-recommendation

- Designed and implemented Meta-Interest, a personality-aware product recommendation system to reduce redundancy and solve the cold start problem.
- Integrated meta-path exploration with personality-based interest mining to enhance user personalization.

- Achieved notable improvements in precision and recall compared to deep learning and session-based models.

Hotel Reservation System

Tech Stack: Java, JDBC, MySQL

Source Code: https://github.com/gandrothu/Hotel_Reservation_System

- Built a console-based hotel booking application with CRUD operations for room and guest management.
- Applied JDBC for backend connectivity and ensured data persistence in a MySQL database.
- Demonstrated strong command over database design, user input validation, and terminal-based interfaces.

Book an Appointment – Doctor Scheduling System

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

Source Code: https://github.com/gandrothu/Book-an-Appointment

- 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.

Achievements & Awards

- AWS Cloud Computing Certificate
- Microsoft Azure Fundamentals AZ-900 Certificate
- Oracle Certified Associate
- ServiceNow Administration Certified

Co circular activities

- Participant, TECH EUPHORIA-2K23 – Competed in coding contests like Code Wizardry and Omega Sorters, showcasing problem-solving and algorithmic thinking.
- Coordinator, Tech Intellect Program (Engineers Day 2023) – Led event planning and execution, demonstrating leadership, coordination, and communication skills.