Lalitha Samyuktha Jayanthi

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Value Proposition

Data Science graduate with a passion for designing, implementing, integrating, and testing software solutions of moderate complexity. Proficient in Python and SQL, with hands-on project experience in web development, front-end and back-end components on Windows and Linux environments. Strong analytical and problem-solving skills, effective communication, and experience in Agile development. Eager to contribute to live production systems, provide on-call support, and collaborate in a service-oriented architecture while evangelizing best practices.

Education

- B. Tech | CSE-Data Science | Avanthi Institute of Engineering and Technology | 2025 | 7.88 CGPA
- Intermediate | Sri Chaitanya Jr. College | 2021 | 9.12 CGPA
- Tenth | Sri Chaitanya School | 2019 | 9.5 CGPA

Technical Proficiencies

- **Programming Languages:** Python, SQL, PySpark
- **Web Development:** HTML, CSS, JavaScript, Flask/Django (back-end), React (front-end)
- **Tools & Technologies:** Git, Docker, Azure Data Factory, Linux/Windows environments, RESTful APIs
- **Methodologies:** Agile development, Software Development Life Cycle (SDLC), Service-Oriented Architecture (SOA)
- **Soft Skills:** Analytical problem-solving, effective communication, interpersonal skills, flexible hours for deadlines and on-call support

Projects

Full-Stack Web Application for Task Management

- Designed, implemented, integrated, and tested a moderate-complexity web app using Python (Flask back-end) and SQL (PostgreSQL database) for user task tracking, interacting with end users and external APIs.
- Developed front-end with React and back-end services on Linux-based server, ensuring seamless integration with internal features like user authentication and data syncing.
- Applied pragmatic design principles to meet deadlines, including unit testing and debugging in an Agile-like workflow; resolved issues in a simulated production environment.

Data Processing Pipeline for Real-Time Analytics

- Engineered a service-oriented architecture solution to process and analyze large datasets using Python, PySpark, and SQL queries, integrating with cloud services (Azure Databricks) on Windows/Linux platforms.
- Collaborated with a team of 3 to deliver the pipeline in a live demo environment, including front-end dashboard for end-user interaction and back-end data integration.
- Supported and maintained custom features, troubleshooting errors with occasional simulated on-call availability; mentored peers on best practices for code efficiency.
- Gained experience in all aspects of SDLC, from requirements gathering to deployment, emphasizing problem-solving for data integrity issues.

E-Commerce Integration System

- Built and tested a software solution integrating front-end (JavaScript) and back-end (Python/Django) components, connecting to external services like payment gateways on a Linux server.
- Worked individually to resolve problems in a production-like setup, ensuring compatibility with Windows-based testing tools and flexible hours for off-hours installations.

Internships & Simulations

- AI Intern – AIMER Society | 8 Weeks
- ML Intern – Indian Servers | 8 Weeks
- Data Science Intern – Yhills | 8 Weeks
- Data Science Intern – Prodigy | 4 Weeks
- Job Simulation – TCS | Forage Plat form

Certifications

- Infosys Springboard certification in Software Engineering and Agile development.
- Google Cloud Gen AI.
- Data Analytics by Jobaaj Learnings.
- SQL by Oracle.
- Java by Oracle.