

Lalitha Samyuktha Jayanthi

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📍 Visakhapatnam

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, JavaScript, Java, SQL, PySpark
- Technologies & Tools: REST APIs, NoSQL/SQL Databases, Cloud Platforms AWS, UI Components (React), Git, Docker
- Soft Skills: Analytical Thinking, Problem-Solving, Collaboration with Technical/Non-Technical Teams, Agile Methodologies
- Other: Interest in Large-Scale Data Processing, System Design, Fast-Paced Project Delivery.

Projects

Scalable E-Commerce Web Application

- Architected and implemented a full-stack application using JavaScript/TypeScript (React for frontend) and Python (Flask backend), handling user authentication, product catalogs, and payment integrations via REST APIs.
- Designed and optimized a NoSQL database (MongoDB) for storing user data and inventory, ensuring scalability for 1,000+ simulated users with efficient querying.

Real-Time Data Analytics Dashboard

- Built an end-to-end data pipeline using Python and PySpark for processing large-scale dataset, integrating with Azure Data Factory for ETL workflows.
- Developed backend services with Java and REST APIs to fetch and analyze data from SQL/NoSQL databases (PostgreSQL and MongoDB), enabling real-time insights on user behavior.
- Created interactive UI components with JavaScript and React, allowing users to filter and visualize data—improved query performance by 30% via indexing and optimization.

Collaborative Task Management App

- Designed and coded a multi-user application in Go and JavaScript/TypeScript, featuring real-time updates via Web Sockets and integration with cloud storage.
- Managed database schema with SQL (PostgreSQL) for tasks and user roles, ensuring data integrity and scalability in a dynamic, team-based setting.
- Handled end-to-end development, from ideation (understanding core problems like team coordination) to production-ready prototype, including API endpoints for CRUD operations.

| 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

- Microsoft Certified: Azure Fundamentals
- Infosys Springboard certification in Software Engineering and Agile development.
- Google Cloud Associate Cloud Engineer.
- Google Cloud Gen AI.
- Data Analytics by Jobaaj Learnings.
- SQL by Oracle.
- Java by Oracle.