

Lalitha Samyuktha Jayanthi

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VALUE PROPOSITION

Recent Computer Science graduate with a strong foundation in object-oriented design, algorithm design, data structures, and programming languages including C/C++, Python, and Java. Passionate about building innovative technologies in distributed computing environments, creating scalable and fault-tolerant systems, and running predictions on distributed systems. Eager to collaborate with cross-disciplinary teams in an agile environment to design and deliver high-quality software solutions for broadly defined problems.

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

SKILLS

Technical Skills:

- Programming Languages: Python, Java, Perl
- Computer Science Fundamentals: Object-Oriented Design, Algorithm Design, Data Structures, Problem Solving, Complexity Analysis
- Technologies: Distributed Systems, Multi-Tiered Systems, Relational Databases, Distributed Storage, Index and Query Systems
- Optimization: Linear Programming, Nonlinear Optimization
- Agile Methodologies, Fault-Tolerant & Scalable Solutions

Soft Skills:

- Effective Communication
- Team Collaboration
- Adaptability & Flexibility
- Abstract & Creative Thinking
- Analytical & Critical Problem-Solving
- Quick Learner
- Strong Work Ethic
- Initiative & Proactiveness
- Ability to Work in Ambiguous/Undefined Scenarios

PROJECTS

Distributed Prediction System:

- Designed and built a scalable system for distributed predictions using Python and Java, incorporating fault tolerance to reduce failures by 25%.
- Collaborated in an agile team setting to define requirements and deliver solutions to broadly defined problems, improving processing speed by 30%.
- Demonstrated adaptability and team communication to manage shifting project scopes.

Fault-Tolerant Index and Query Engine:

- Developed a multi-tiered index/query system in python for relational databases; boosted query efficiency through optimization mathematics.
- Tackled ambiguous technical challenges with creative and analytical approaches, resulting in robust and scalable outcomes.
- Documented and presented complex solutions effectively to peers.

Agile Software Development Project:

- Built an object-oriented, scalable application in Perl and Python within an agile group, emphasizing reliability under load.
- Led team meetings, demonstrated flexibility in offering solutions, and provided peer support and mentorship during development cycles.

INTERNSHIP

AI Intern at AIMER Society, ML Intern at Indian Servers, Data Science Intern at Yhills and Data Science Intern at Prodigy.

CERTIFICATIONS

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