

Jagankrishna Nallasingu

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PROFILE

• A dedicated Computer Science student skilled in Software, full-stack development and machine learning, eager to create innovative, data-driven applications that push technology's boundaries.

EDUCATION

International Institute of Information Technology, Hyderabad

• B.Tech in Computer Science & Engineering

Rajiv Gandhi University of Knowledge and Technologies

• Intermediate: Pre University Course at RGUKT-IIIT (CGPA: 9.08)

Z.P.H.School ChinnaChepali

• Class 10th: SSC - Andhra Pradesh - (GPA: 10.0)

Gachibowli, TG

2022 - 2026

R.K.Valley, AP

2020 - 2022

Kadapa, AP

2019 - 2020

WORK EXPERIENCE

Inventory Model: For Cost Optimization — ML Model, Documentation

[Link to Doc](#)

• Developed an advanced Inventory model for the startup [Club Artizen](#), leveraging SARIMA and polynomial curve fitting to accurately forecast inventory needs; reduced manual forecasting errors by 40% and optimized inventory costs by 25%.

Campus Ambassador: Ecell IIT-G — [Intern](#)

Dec 2023 - Jan 2024

• Worked as a Campus Ambassador for E-Cell, IIT Guwahati Remote, Assam, India. Ranked in Top 15 out of 300 Ambassadors. Proudly represented UDGM - 24.

Mentorship: Reliance UG Scholars — Mentor

July 2024 - Present

• Proficient mentor at Reliance Foundation, specializing in guidance, technology support (programming/software), academic consultation. Committed to nurturing students' growth and success.

PROJECTS

BloodLytics || *Data Visualisation, D3.js*

[Source Code](#) - [Link to Demo](#)

• Developed an interactive dashboard to explore blood donation statistics, distribution, and donor behavior, highlighting the emergence of various blood groups

C Shell || *C, Linux, SystemCalls, POSIX*

[Source Code](#)

• Bash-like command interpreter, written in C Support for process management, piping/redirection and built-in as well as system commands

Network File System || *C, OS, Networks, Concurrency, SystemCalls*

[Source Code](#)

• Developed a basic Network File System with Naming, Storage, and Client Servers, addressing concurrency with TCP/UDP protocols. Implemented file operations (read, write, delete, create, copy, move).

Audio Fuse - A static music Website || *HTML, CSS, Javascript*

[Source Code](#)

• Designed and developed 'Audio Fuse' music website with responsive UI, integrating interactive features like play buttons, search, and dynamic album displays.

Chalana Chitram - Relational database for Queries || *DBMS, MySql, UMLDiagrams*

[Source Code](#)

• This project stores movie, cast, and crew details in a relational database for easy retrieval. We documented the schema and developed a Python app for database management with effective error handling.

TECHNICAL SKILLS

Languages: Python, C, C++, Java, Bash Scripting, SQL

Communication & Hobbies:

Web Development: HTML, CSS, Bootstrap, MERN Stack, Flask

English, Telugu, Hindi

Frameworks & Tools: Git & Github, TinkerCAD, Latex, Handling APIs, D3.js

Coding, Films, Music

Relevant Courses: OS, Networks, DSA, Software Systems, ML, Probability, DBMS, Information Security.

ACHIEVEMENTS

Reliance Foundation Undergraduate Scholar - Class of 2026

Aug 2023 - Present

• Achieved the prestigious Reliance Foundation Undergraduate Scholarship, recognizing exceptional academic performance and commitment to community service, awarded to only 5% of applicants nationwide.

EXTRACURRICULAR ACTIVITIES

Kaooa Game || *Python, Pygame*

• Developed and created a terminal-based game in Python and incorporated visual representation using python libraries.

Rock-Paper-Scissors || *Networking, TCP, UDP*

• Developed a terminal-based Rock-Paper-Scissors game enabling multiplayer interaction using TCP and UDP protocols.

Social Media Team: Felicity-23, IIIT-H — [Team Member](#)

Dec 2022 - June 2023

• Played a key role in promoting IIIT-H Felicity 2023, engaging audiences, and enhancing digital marketing skills.