

# Sampanna Nampalli

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## CAREER OBJECTIVE

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Computer Science undergraduate with strong foundations in DSA and full-stack development, focused on building scalable systems and high-impact software products.

## EDUCATION

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| 2023 - 2027 | Bachelor's Degree in Computer Science and Engineering at<br>at <b>N. K. Orchid College of Engg. and Tech., Solapur</b><br>(Affiliated to <b>DBATU</b> , Lonere, Raigad, Maharashtra) | (GPA: 8.7/10.0) |
| 2018 - 2020 | Class 12th at <b>Johnson Grammar School (ISC), Hyderabad</b>   | (GPA: 8.5/10.0) |

## SKILLS

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Languages	Java, Python, C, JavaScript, SQL, TypeScript
Frameworks & Libraries	Flask, React, Node.js, Next.js, Express.js, WebSockets
Database/Tools	SQLite, PostgreSQL, MongoDB, Git, GitHub, Postman, NeonDB
Coding Profiles	<a href="#">LeetCode</a> , <a href="#">CodeForces</a> , <a href="#">CodeChef</a>

## PROJECTS

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### Stock Trading Simulator [Link to Demo](#)

—Python, Flask, Jinja, Flask-Session, SQLite, PostgreSQL, Bootstrap

- Built a **full-stack stock trading simulator** enabling real-time stock quotes, buy/sell execution, and portfolio tracking using Flask
- Built a hashed-password login/logout flow with Flask-Session server-side sessions, gating all portfolio and trading routes via a login-required decorator tied to the session user ID.

### Excalidraw Clone [Link to Demo](#)

—Next.js, React, TypeScript, Tailwind CSS, Recoil, RoughJS

- Designed and implemented a real-time collaborative drawing application using WebSockets, enabling multiple users to concurrently create, update, and delete canvas elements while maintaining a consistent shared state across clients
- Achieved low-latency collaboration with reliable state synchronization, supporting seamless multi-user interactions and demonstrating scalable real-time system design

## ACHIEVEMENTS

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- Won **4 national-level prizes** (1 aptitude, 1 algorithmic coding, 2 technical quizzes), competing among **500+ participants per event**
- Ranked **Top 5 out of 750+** learners in *Fundamental Algorithms: Design and Analysis* (IIT Kharagpur, NPTEL) course with **97% score**

## CERTIFICATIONS

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- NPTEL: Algorithms, Object Oriented Programming, DBMS