

Sampanna Nampalli

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CAREER OBJECTIVE

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

EDUCATION

- 2023 - 2027 Bachelor's Degree in Computer Science and Engineering at (GPA: 8.7/10.0)
at **N. K. Orchid College of Engg. and Tech., Solapur**
(Affiliated to **DBATU**, Lonere, Raigad, Maharashtra) [[See Transcript](#)]
- 2018 - 2020 Class 12 at **Johnson Grammar School (ISC), Hyderabad** (GPA: 8.5/10.0)

SKILLS

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	LeetCode , CodeForces , CodeChef

PROJECTS

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

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

CERTIFICATIONS

- NPTEL: Algorithms, Object Oriented Programming, DBMS