

# SATYAM SINGH

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## EDUCATION

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**Babu Banarasi Das Institute of Technology and Management**  
Bachelor of Technology in Computer Science and Engineering(Major)

August 2021- Spring 2025(Expected)  
CGPA: 8.2/10.00

## RELEVANT COURSEWORK

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Data Structures, Discrete Mathematics, Operating Systems, Computer Systems and Security, Python, C, Programming for Problem Solving, Design and Analysis of Algorithms, Computer Organization and Architecture, Database Management System, Artificial Intelligence, Universal Human Values, Technical Communication

## WORK & RESEARCH EXPERIENCE

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### Software Engineering Intern — CodSoft

October 2023 – November 2023

- Tic Tac Toe: Implemented a tic-tac-toe game in C++, showcasing logical problem-solving skills within a gaming context.
- Guessing Game: Created an interactive guessing game using C++, demonstrating effective user engagement and decision-making logic.
- Calculator: Developed a C++ program for performing various mathematical operations.

### Software Engineering Intern — J.P Morgan Chase & Co.

December 2022 – January 2023

- Stock Data Integration: Interfaced with stock price data feeds, demonstrating practical expertise in data integration.
- JPMC Frameworks & Visualization: Applied JPMC frameworks to visually display data for traders, enhancing decision-making processes.

## PROJECTS

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### AI-ChatCraft

ChatEngine, Redux, React, Node.js, Express, OpenAI

Crafting an AI-enhanced chat experience using ChatEngine and Redux on the frontend, powered by Node.js and Express on the backend, with OpenAI integration for intelligent conversations through ChatGPT.

### Notion Clone

NextJS 13.4, Shadcn, Tailwind CSS, DALLE AI, OpenAI API, ORM, Vercel

Developed and deployed a cutting-edge Next.js project integrating Shadcn, DALLE AI, and OpenAI API, with ORM for efficient database interactions, hosted on Vercel.

## TOOLS & TECHNOLOGIES

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**Proficient:** C++, JavaScript, SQL, Redux, React, Node.js, Express, FireBase, Git, Figma

**Familiar:** Java, Python, Go, Ruby on Rails, Kafka, Redis, Docker, Kubernetes, React.js, Machine Learning

## EXTRA CURRICULAR ACTIVITIES

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- Technical Writer
- Open-Source Contributor