# SATYAJ SUNDARAM

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## Skills

Java, Python, JavaScript, Linux, Blockchain, MySQL, Git, Data Structures & Algorithms, Graphic Design, Android Development, Web Development

## Education

**Amity University Jharkhand**                                                            **2022 - 2025**
- BCA | CGPA: **8.0**

Rose Public School**, India**                                                            **2020 - 2021**
- *CBSE (Class XII)*

**Rose Public School, India**                                                            **2017 - 2018**
- *CBSE (Class X)*

## Projects

**Comprehensive** Event **Management System**                                        **Aug'24**
*Designed and implemented a Java-based event management system for tracking member records, event details, roles, and attendance.*
- *Developed* CRUD functionalities for event tracking, attendance monitoring, and role management.
- Optimized UI/UX for seamless event planning, improving user efficiency.

**2048 Game Implementation using Java and DSA**                                        **June'24**
*Developed a 2048 game in Java using Data Structures & Algorithms (DSA)*
*The game allows players to merge tiles on a 4x4 grid by sliding them to achieve the target number of 2048.*
- Implemented game logic using stacks and queues.
- Optimized performance by reducing unnecessary iterations.

**Sudoku Solver using Backtracking Algorithm**                                        **Mar'24**
*Developed a program in Java to solve any valid Sudoku puzzle using the backtracking algorithm, ensuring efficient constraint satisfaction.*
- Utilized recursion and backtracking to solve the puzzle in real-time.
- Validated input grids to ensure correctness before attempting solutions.

## Certifications

- **JavaScript Algorithms and Data Structures-** FreeCodeCamp (2025)
- **Oracle Java Foundations by Oracle University-** LinkedIn learning (2025)
- **Responsive Web Designs-** FreeCodeCamp (2025)
- **SQL Essential Training-** LinkedIn learning (2025)

## Positions of Responsibility

**Amity Literary Society (AUJ) |** Student Coordinator (Public Representative)        **Aug'24 - Dec'24**
- Led event planning & promotion as a public representative, boosting student participation.
- Collaborated with faculty & a 10+ member team to execute university-wide literary events.

**Cultural Club |** Member                                                            **Jun'24 - Dec'24**
- Performed in multiple stage events (monologues, poetry, stand-up), enhancing campus cultural engagement.
- Hosted university cultural events, improving audience interaction & event coordination.
- Organized & promoted cultural events, driving student participation & creative expression.