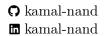
Kamal Nand



EDUCATION

• Netaji Subhash Engineering College

2021-25

B. Tech in CSE

CGPA: **8.34**

2021

2019

• British English School (CBSE) Intermediate

Percentage: 76.60

(CBSE) Intermediate

centage: 10.00

• British English School (CBSE) Matriculation

Percentage: 88.40

PERSONAL PROJECTS

School Management

Jun'25 - Aug'25

 $SpringBoot,\ Hibernate,\ PostgreSQL$

- Developed a secure and scalable system to automate student, teacher, and course management in schools.
- Implemented RESTful APIs using Spring Boot, Hibernate/JPA with PostgreSQL, and integrated Spring Security with JWT for authentication and role-based access.
- Role-based dashboards (Admin/Teacher/Student), course enrollment, attendance & grade management, and full CRUD operations for school entities.

• Spencer's (POS)

Jun'24 - Feb'25

ReactJs, NodeJs, MySQL

- Built a responsive Point of Sale (POS) application using React.js, Node.js, and MySQL, supporting both UPI and cash payments for seamless checkout experiences.
- Implemented real-time cart updates and dynamic order summary display, ensuring smooth user interaction during sales operations.
- Used React hooks and component-based architecture to manage state across product listings, cart, and payment screens
 efficiently.

• Huffman Algorithm

Apr'24 - Jun'24

Java, HashMap, PriorityQueue

- Developed a Huffman coding algorithm in Java for efficient data compression and decompression, ensuring prefix-free encoding for data integrity.
- Implemented character frequency analysis, Huffman tree construction, and code assignment using data structures like HashMap, PriorityQueue, and Map.
- Achieved optimized storage and retrieval through systematic encoding/decoding logic, enhancing overall compression efficiency.

TECHNICAL SKILLS AND INTERESTS

Backend Technologies: Spring Boot, Spring Security, Hibernate

Frontend Technologies: ReactJS

Databases: PostgreSQL, MySQL

Programming Languages: Java

Core CS Concepts: OOP, DBMS, Operating Systems Tools & Platforms: Postman, Github, IntelliJ IDEA

Coding Profiles

LeetCode: kamal nand Geeksforgeeks: nandkamal2

Positions of Responsibility

• Coordinator, Navaprayas(Puzzle Race Event) Coordinated the event and made it successful. Jun'23 - Jul'23

• **Team Member**, Navprayas (Puzzle Race Event) Developed and designed challenging puzzles. Jun'22 - Jul'22

ACHIEVEMENTS