Kamal Nand

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EDUCATION

- **Netaji Subhash Engineering College** *2021-25*
  B.Tech in CSE CGPA: **8.34**

- **British English School** *2021*
  (CBSE) Intermediate Percentage: **76.60**

- **British English School** *2019*
  (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) *Jun'23 - Jul'23*
  Coordinated the event and made it successful.
- **Team Member,** Navprayas (Puzzle Race Event) *Jun'22 - Jul'22*
  Developed and designed challenging puzzles.

ACHIEVEMENTS

- **TCS CodeVita** Achieved 395 rank in Qualifier 2 *2023*