R.RIDHI

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EDUCATION

- **Shiv Nadar University**
  B.Tech Computer Science Engineering (Cybersecurity); CGPA: 8.1(Until Sem 2)
  Chennai, India
  2024 – Present
- **DAV Sr Senior Secondary School**
  Senior Secondary Certificate (Grade 12 CBSE); 91.6%
  Chennai, India
  Mar 2024

TECHNICAL SKILLS

Programming Languages: Python,C, C++, SQL, Java	**Core Fundamentals:** Operating Systems, Computer Networks, Foundations of Machine Learning, DBMS, Data Structures & Algorithms, OOPs
Web Technologies: HTML	**Machine Learning:** NumPy, Pandas, Matplotlib,

PROJECTS

- **Credential Vault – Database Management Systems Laboratory Project (Shiv Nadar University, Chennai)**

  Designed and implemented a secure digital credential management system using MySQL as part of the DBMS Lab coursework.

  Created ER and UML diagrams, converted them into a normalized relational schema, and implemented the database with proper constraints and keys.

  Developed and executed 50+ SQL queries and 50 database views covering user roles, permissions, audit logs, and credential operations.

  Implemented role-based access control (RBAC) and audit logging for security and accountability.

  Gained practical experience in SQL optimization, stored procedures, MongoDB CRUD operations, and database-driven application design.

-**FETCH'A'FEST – Event Management Web Application** (HTML,CSS,JavaScript)

Developed a web-based event management system enabling admins to create, manage, and store event details dynamically through an interactive Admin Dashboard

Implemented user authentication with separate login interfaces for students and administrators, including signup functionality.

Designed a student-facing portal displaying categorized events (Cultural, Educational, Sports) with dynamic registration options and personalized event tracking.

Utilized LocalStorage to persist event data and registration details without a backend server.

Focused on responsive UI design and user experience optimization, using custom CSS styling and JavaScript-driven interactivity**.**

-**CHECKMATE- PYTHON CHESS PROJECT (DAV SR SEC SCHOOL)**

Developed a two-player chess game using core Python, implementing standard chess rules and gameplay mechanics.

Implemented piece movement logic and rule validation using functions, conditionals, and control structures.

Managed the chessboard state using Python data structures such as lists and dictionaries.

Implemented turn-based gameplay, move input handling, and basic validation to ensure fair play.

Focused on logical problem solving, algorithmic thinking, and Python fundamentals including loops, functions, and conditional branching.

Gained hands-on experience in debugging, structured coding, and game logic implementation using Python.

CERTIFICATIONS

- **Market Research Analyst**
  Completed the Finlatics Market Research Experience Program as a Market Research Analyst,   Finlatics-2025
  gaining hands-on experience in business model analysis, market size estimation,
  and product research.

POSITIONS OF RESPONSIBILITY

- **Core Member — SNUC Rhythm – Dance club**   SNU Chennai
  Collaborated on performances and college events, enhancing teamwork, creativity,
  and time management skills.   *2025*
- **Student Body Council, Donation club head**   DAV Sr Senior Secondary School
  Core Committee   *2022-2024*
  - Served as a Student Body Council member and Head of the Donations Club, leading community
    initiatives and organizing successful fundraising drives to support school and local causes.