

GEETANJALI

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PROFESSIONAL SUMMARY

Computer Science undergraduate (GPA: **9.54/10**) skilled in **MERN development, DSA, and security-focused authentication systems**. Built **production-grade applications** with **OTP-based 2FA, encryption, and scalable REST APIs**. Seeking a software engineering internship to apply backend, full-stack and security expertise.

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Python, C
Frontend: React.js, Next.js, HTML5, CSS3, Tailwind CSS
Backend: Node.js, Express.js, RESTful APIs, JWT Authentication
Databases: MongoDB, Mongoose, MySQL
Security: OTP-based 2FA, bcrypt, AES Encryption, Secure Cookies
Core CS: Data Structures & Algorithms, DBMS, OOP, Computer Networks, Operating Systems
Tools & Platforms: Git, GitHub, Linux, VS Code, IntelliJ IDEA

PROJECTS

PassVault - Secure Password Manager Web Application | MERN Stack

- Built a **production-grade password vault** with **zero-knowledge-inspired client-side encryption**, ensuring plaintext credentials never reach the backend.
- Implemented **OTP-based 2FA, trusted device binding**, and **refresh token rotation**, strengthening secure session handling.
- Designed a secure JWT lifecycle using **HTTP-only cookies**, auto session restore, and **vault auto-lock after inactivity** to prevent token hijacking.
- Developed a responsive credential manager supporting **CRUD operations, search/filtering, favorites, clipboard auto-clear**, and encrypted vault export/import.
- Engineered backend security layers including **rate limiting, audit logging, breach detection (HIBP API)**, and **deployed on Vercel + Render + MongoDB Atlas**, resolving production issues like **CORS, cookie persistence** and **OTP email delivery**.

ThinkBoard — Notes & Productivity Web App | MERN Stack

- Built a responsive notes platform with full CRUD workflows using React, Express, and MongoDB Atlas.
- Designed REST APIs with Tailwind-based mobile UI, plus backend reliability features like rate limiting and secure env configuration.

TRAINING & EXPERIENCE

CDAC Kolkata — In-House MERN + Java Training (20 Days) (Certificate Expected)

- Built **Online Examination & Evaluation Portal** (Team of 10); contributed to backend APIs + MongoDB integration

EDUCATION

Bachelor of Technology: Haldia Institute of Technology Computer Science and Engineering GPA : 9.54/10	2023 - Present
Class XII (CBSE): Central Hindu Girls School - 87.2%	2022

ACHIEVEMENTS AND CERTIFICATIONS

- Solved **530+ DSA problems** across **LeetCode (280+)** and **CodeChef (250+)**.
- Database Management Systems (DBMS) | NPTEL Certification, Top 5% nationwide, 2025.
- Oracle Cloud Infrastructure (OCI) 2025 Foundations Associate | Oracle (Exam: 120-1085-25), 2025.
- Oracle Cloud Infrastructure (OCI) 2025 AI Foundations Associate | Oracle (Exam: 120-1122-25), 2025.
- Contributor to intra-college project shortlisted for SIH 2024.