Vinit Kumar

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Education

SRM Institute of Science and Technology, Chennai   Sept 2022 – May 2026
B.Tech in Artificial Intelligence and Machine Learning   CGPA: 7.6
Relevant Coursework: Data Structures, Algorithms, DBMS, Operating Systems, OOP

Technical Skills

Languages: Python, Java, JavaScript, SQL
Web: Node.js, Express.js, HTML5, CSS3, REST APIs
Databases: MySQL, MongoDB
Tools: Git, GitHub
Core Concepts: DSA, OOP, Database Design, API Development

Projects

Cryptography Encoder   Node.js, Express, AES-256, RSA
- Built a secure encryption platform implementing AES-256 and RSA workflows for text processing.
- Designed RESTful APIs with validation middleware and modular backend architecture.
- Integrated a responsive frontend for seamless encryption/decryption interactions.

Expense Tracker   JavaScript, MongoDB
- Developed a dynamic expense tracking system with categorized transaction management.
- Designed optimized database schema and implemented client-side validation for improved usability.

Text-to-Handwriting Converter   JavaScript, HTML, CSS
- Created a browser-based tool to convert typed text into customizable handwritten-style notes.
- Implemented font styling, spacing control, and formatting customization features.

Community Quester   TypeScript
- Built a modular, type-safe frontend platform for browsing and discovering community events.

Experience

Web Development Intern
- Contributed to frontend feature implementation and resolved UI issues to enhance usability.
- Collaborated with backend developers to integrate APIs and improve application performance.

Hackathons

- SRM Talent Hunt 2023 – Voice-enabled payment prototype
- SRM Hack2Leap 2023 – Smart parking system
- SRM Codefest 2024 – Deforestation tracking platform

Certifications

AWS Academy Machine Learning Foundations
AWS Academy Cloud Operations
Oracle Cloud Infrastructure
HackerRank Problem Solving (Intermediate)