COVER LETTER

29th November,2025

The Hiring Manager,

VISA, Bengaluru

Subject: Application for Summer Software Engineer Internship – Smriti Singh

Respected Sir / Madam,

I am writing to express my enthusiastic interest in the Software Engineer Internship position at VISA, as advertised by our college placement cell. As a well-performing B.Tech Information Science and Engineering student at JAIN (Deemed-to-be) University (GPA **9.487/10.0**), I have developed a robust foundational knowledge in full-stack development and data structures and algorithms, making me a strong candidate to contribute immediately to your engineering team.

My passion lies in building functional, scalable systems, demonstrated by my recent major projects , which include a **Fin-Track: a personal finance tracker, Memo-Deck: a notes app, Sync-Drive: a file-storage app** . These projects required end-to-end development using the **MERN stack** (MongoDB, Express, React, Node.js). Specifically, I designed and implemented secure, RESTful APIs and integrated stateless authentication using JSON Web Tokens (JWT). As I consistently spend my time on building full-stack projects , I have also been active on Github , significantly interested in contributing to open source projects in the near future.

Furthermore, I possess proven problem-solving and collaboration skills,as evidenced by my Leetcode profile(160+ questions). I also plan to extend my knowledge in other related tech -caching,scaling and architecture, microservices, CI/CD pipelines, cloud integration and more in the coming months.I believe this internship can help me master my existing skills and also accelerate my learning journey.

I am eager for the opportunity to apply my skills within VISA' s innovative environment and also have the opportunity to learn and grow under the company's work environment. My resume, which is attached for your review, further details my qualifications and projects. Thank you for your time and consideration. I look forward to the possibility of discussing how my technical foundation can benefit your team.

Sincerely,

Smriti Singh

+91 8092133532

smritiiisinghh@gmail.com

RESUME

SMRITI SINGH

| Bengaluru | +91 8092133532 | smritiiisinghh@gmail.com | LinkedIn | GitHub |

PROFESSIONAL SUMMARY

Highly motivated Information Science student with foundational expertise in Full-Stack Development (MERN), seeking a Software Engineer Internship. Proven ability in developing secure, scalable applications and designing robust data structures. Adept at leveraging modern tools to deliver functional software solutions. Eager to contribute to a challenging team environment and explore new technologies.

TECHNICAL SKILLS

LANGUAGES : JavaScript (ES6+), Java

FRONTEND : React, Tailwind CSS, GSAP, Framer, DaisyUI
BACKEND : Node.js , Express.js
DATABASE : MongoDB,Mongoose ORM , SQL (PostgreSQL)
TOOLS : Git/GitHub, VS Code, Linux, Postman, Redis

EDUCATION

Jain (Deemed-to-be) University | Bengaluru, India

- B.Tech. in Information Science and Engineering (2023-2027)
- **SGPA:** 9.48/10.0
  - **Relevant Coursework:** Data Structures and Algorithms, Database Management Systems, Object-Oriented Programming, Operating Systems, Foundations of Cloud computing

Saint Joseph's School | NTPC Kahalgaon

- Higher Secondary (CBSE) -PCM + Computer Science(83.6%)
- Secondary School Certificate (CBSE) - 91%

SELECTED PROJECTS

1. *Sync-Drive:* Secure Cloud Storage Application (MERN Stack)

- **Technologies:** React, Node.js, Express.js, MongoDB, Multer
- Engineered a secure, full-stack file storage solution enabling user-specific file upload, retrieval, and management.
- Designed a hierarchical file structure within MongoDB, allowing for efficient navigation and retrieval of user-specific documents via **RESTful API endpoints**.
- Implemented user authentication with **JWT** to ensure strict access control and file ownership verification for all actions.

2. *Fin-Track:* Personal Finance Dashboard (MERN Stack)

- **Technologies:** React, Node.js, Express.js, MongoDB, Recharts
- Developed a MERN stack application for end-to-end tracking of personal income and expenses.
- Implemented **stateless authentication** using JSON Web Tokens (JWT) for secure user sessions and **RESTful API** protection.
- Designed the front-end dashboard with dynamic data visualization, utilizing **Recharts** to display financial trends and expense breakdowns.
- Ensured data stability and performance by employing the useMemo hook to cache calculated chart data.

3. *Memo-Deck:* Collaborative Note-Taking Application (MERN Stack)

- **Technologies:** React, Node.js, Express.js, MongoDB, React Router
- Developed a **Single-Page Application (SPA)** using React Router to enable full **CRUD functionality** for user notes (Create, Read, Update, Delete).
- Engineered a backend with **RESTful API endpoints** to manage MongoDB persistence and ensure data integrity.
- Focused on clean UI/UX for quick entry and retrieval of text-based information.

Contact me here :

Linked in : https://www.linkedin.com/in/smriti-singh-a06685257/
Email : smritiiisinghh@gmail.com