Registration Number – 22BCE11243

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Tanya Jain

Technical Skills: React.js, HTML, CSS, JavaScript, TypeScript, Tailwind CSS, Node.js, Express.js, Google Generative AI, Github, AWS, C++, Python, MySQL

Certification: AWS Solutions Architect - Associate (ETHNUS, Apr 2025), DevOps Fundamentals (IBM, May 2025), Agile & Design Thinking (IBM, Jun 2025), Agile Methodologies (IBM, May 2025)

EDUCATION

Board	Tenure	Educational institution	CGPA/Percentage
B. Tech CSE Core	Sept 2026 – Ongoing	Vellore Institute of Technology, Bhopal	8.51/10
Class XII	May 2022	DAV Public School, Sreshtha Vihar, Delhi	88.8%
Class X	May 2020	ST. John's Academy	96.6%

ACADEMIC PROJECTS

AI Application	▪ **Image Identifier AI Application** - **Description:** A web application using Google's Gemini AI to analyze uploaded images, providing detailed information, keywords, and related questions. It's designed for easy image submission and insightful AI-generated responses. - **Technology:** Next.js 14 (React), TypeScript, Tailwind CSS, Google Generative AI (Gemini API), HTML, CSS, JavaScript. - **Role:** Developed and implemented an image identification web application. Utilized Next.js, TypeScript, and Tailwind CSS for the frontend, integrating the Google Gemini API for image analysis, keyword generation, and interactive question-answering.
Text Summarizer	▪ **AI-Powered Text Summarizer** - **Description:** An intuitive web application designed to leverage artificial intelligence for text summarization, transforming lengthy articles into concise and coherent summaries. It provides a smooth user experience with a focus on a responsive and aesthetically pleasing interface. - **Technology:** ReactJS, Tailwind CSS, HTML, CSS, JavaScript, Rapid API, Vite.js, OpenAI GPT-4. - **Role:** Developed and implemented an AI-powered text summarization web application. Designed and built the user interface using ReactJS, Redux Toolkit, and Tailwind CSS. Integrated the Rapid API service to leverage AI (specifically OpenAI GPT-4) for extracting and summarizing articles, providing a seamless user experience for content condensation.
Chat Application	▪ **Scalable Chat Application** - **Description:** A Turborepo-based monorepo project designed for building a scalable chat application. It includes a Next.js web client, a Next.js documentation site, and a Node.js server that manages real-time messaging, message brokering, queuing, and persistence. - **Technology:** Next.js, React, Node.js, TypeScript, Socket.io, Redis, Kafka. - **Role:** Developed a scalable chat application, encompassing frontend and backend components within a monorepo structure. Implemented real-time communication using Socket.io, message brokering with Redis, and message queuing/persistence with Kafka and PostgreSQL. Built the user interface and documentation with Next.js and React, while establishing reusable UI components and consistent code standards.

WORK EXPERIENCE

Internship	▪ **ISL Winter Internship (December / 2023 - January / 2024)** - Gained knowledge about CubeSat, CanSat, Drone Technology, Astronomy, and Space Entrepreneurship. This transformative experience provided hands-on experience in the rapidly evolving space industry.

EXTRA-CURRICULARS AND ACHIEVEMENTS

Extracurricular & Responsibilities	▪ **DANCE CLUB	Core Member** - Organized events, led practices, and choreographed routines. ▪ **iOS CLUB	Member -** Promoted club activities in the tech community. ▪ **HackerRank- C++,** Silver level

ADDITIONAL INFORMATION

Languages	▪ English, Hindi, Japanese (Basic)