

Sanskriti Mohit Garg

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github.com/sanskritiigarg | gitlab.com/sanskritiigarg

EDUCATION

GLA University

BTech in Computer Science (CGPA: 8.63)

Mathura, Uttar Pradesh

August 2023 - May 2027

Rishabh Academy

Higher Secondary School (Percentage: 91.2)

Meerut, Uttar Pradesh

Aug. 2021 - May 2023

RELEVANT EXPERIENCE / PROJECTS

Notes Drill | GitHub | GitLab | Live

Nov 2025 – Jan 2026

MERN, Docker, AWS EC2, GitLab CI/CD, GitLab Container Registry, Gemini API

- Built an AI-powered learning platform that converts PDFs into quizzes, flashcards, summaries, and document-grounded Q&A, strictly constrained to source content to prevent hallucinations.
- Designed an end-to-end document processing pipeline (PDF ingestion → semantic chunking → relevance filtering → AI generation), improving accuracy while reducing token usage.
- Implemented a document-aware chat system with JWT-based user isolation and persisted AI outputs for reproducibility and reduced repeat AI calls.
- Containerized frontend and backend services using Docker and orchestrated multi-service deployment with Docker Compose.
- Implemented a GitLab CI pipeline that builds and pushes Docker images to the GitLab Container Registry, then deploys to an AWS EC2 instance via SSH using Docker Compose.

Stitches | GitHub | Live

Aug 2025 – Oct 2025

React, MongoDB, Node.js, Express.js, Tailwind CSS, Redux Toolkit

- Built a scalable MERN e-commerce platform with clean REST APIs, modular backend architecture, and secure JWT-based authentication.
- Implemented a fast, predictable buying experience using Redux Toolkit for global state sync, Cloudinary CDN for optimized media delivery, and PayPal integration for secure payments.
- Designed a mobile-first React UI with Tailwind, using reusable components and performance-focused patterns to deliver a polished, production-ready experience.

Microservices with Automated CI/CD Pipeline | GitLab

Aug 2025 – Oct 2025

Docker, Docker Compose, MySQL, Flask

- Led a team to decompose a monolithic backend into Flask-based Authentication, Products, and Orders microservices.
- Containerized services and MySQL using Docker and Docker Compose, enabling seamless inter-service communication.
- Built a GitLab CI/CD pipeline to automate image builds, registry pushes, and remote deployments.

TECHNICAL SKILLS

Languages: JavaScript, Python, Java, SQL, HTML/CSS

Libraries & Frameworks: React.js, Node.js, Express.js, Redux Toolkit, Tailwind CSS

Databases: MySQL, MongoDB, SQLite

DevOps & Tools: Docker, Docker Compose, Git, GitHub, GitLab

AI & Backend Systems: LLM API Integration (Gemini), Prompt Engineering, Document Processing, Text Chunking & Relevance Filtering

ACHIEVEMENTS

- Earned CS50P: Programming with Python certification, gaining hands-on experience from basics to advanced Python concepts.
- Solved 300+ Data Structures & Algorithms problems across LeetCode and GeeksforGeeks.
- Gained hands-on exposure to CI/CD automation and infrastructure fundamentals through academic coursework.