

# Sanskriti Mohit Garg

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[github.com/sanskritiigarg](https://github.com/sanskritiigarg) | [gitlab.com/sanskritiigarg](https://gitlab.com/sanskritiigarg)

## EDUCATION

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### 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

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### 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

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**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

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- 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.