

Shivam Singh

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[Github](#) | [LinkedIn](#) | [Website](#)

Work Experience

Data Analyst Intern - Tata Technologies

May 24 - July 24

- Dived into vast datasets, extracting valuable insights, patterns and trends. Through visualizations and statistical analysis to process all employee complaints regarding workplace safety and use of safety gear in the manufacturing line.
- Worked with numpy, tensorflow, matplotlib libraries in python.

Operations Manager - Siddhi Vinayak Enterprises

Apr 21 - Apr 23

- Led a diverse team of 10 in the spirits and beverages industry, managing thousands of customers and coordinating with the Department of Excise and Prohibition on a daily basis to ensure the smooth functioning of the business.
- Streamlined operations with the Department of Excise and Prohibition, significantly boosting efficiency.

Projects

FolioWeaver : [GitHub](#) | [Website](#)

Next.js, TypeScript

- Created a WYSIWYG editor that generates clean, production-ready Next.js portfolios directly from a live, interactive UI.
- Improved UX with Framer Motion, dnd-kit, and Headless UI for animated panel transitions and accessible components.
- Engineered a headless CMS using Next.js API Routes to dynamically update Markdown files and built a server-side engine with jszip to export a lightweight, editor-free final project.

ALIA - Advanced Lecture Interactive Assistant : [GitHub](#) | [Website](#)

Next.js, TypeScript

- Engineered a full-stack AI application to automatically transcribe, summarize, and ask questions from audio lectures.
- Implemented a semantic search engine using Google Gemini embeddings and MongoDB Atlas Vector Search, allowing users to find information by concept, not just keywords.
- Architected a complete user lifecycle with Auth.js with history renaming, data deletion, and shareable analysis reports.

Apple of Steve : [GitHub](#) | [Website](#)

React, TypeScript

- Built and deployed an E-commerce website on the products released by Apple Inc. in the era of Steve Jobs.
- Utilized fairly common Production Level tools like Next.js, Sanity CMS, Redux and Stripe' API for Server Side Rendering to improve loading times by 90%, managing products, consistent behavior, and payments processing respectively.

3D Digital Garden : [Website](#)

Blender, JavaScript

- Designed and prepared a portfolio website that interactively visualizes features of a student's dorm room.
- Constructed 3D models from scratch, implemented animations, camera movements, and lighting in Blender.
- Wrote extensive code for JavaScript and Three.js, with substantial HTML and CSS to compile the scene into a web page.

Rain Prediction Model and Analysis : [Colab](#)

Python

- Completed a collaborative project guided by three technical mentors in a Harvard graduate-facilitated environment.
- Trained and optimized a model to predict rainfall in Australia using a comprehensive dataset. Established an ANN model that achieved high accuracy and precision, delivering strong overall results.

Education

SRM Institute of Science and Technology | Bachelor of Computer Application (BCA)

Kattankulathur, TN

Specialization in Data Science

Grad. May 25

ST Xavier's School | Matriculation and Higher Secondary (CBSE)

Hazaribagh, JH

Mathematics and Science with Computer Science

Grad. May 21

Languages & Tools

Frontend: JavaScript, TypeScript, React, Next.js, Vite, Tailwind CSS, Headless UI, Framer Motion, GSAP, Three.js

Backend & Tools: Python, Java, Bash, Node.js, MongoDB, Auth.js, MySQL, Blender, Docker, Git, Vercel