LAKSHAYA SHARMA

Full Stack Developer | Software Developer | Backend & Frontend Developer

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EDUCATION

Maharshi Dayanand Saraswati University   **Ajmer, Rajasthan**
Bachelor of Computer Applications, 83%   *Jan 2022 - Feb 2025*

EXPERIENCE

Academic Hub| *Web Development Intern*   **Onsite | Ajmer, Rajasthan**
                                                                                  Mar 2025 - Jun 2025

- Contributed to **CBSE Academia**, a study material distribution platform, by developing the website using **ASP.NET (C#)** and **MS SQL Server**, increasing access to academic resources for over **1,000 students** across institutions.
- Improved the company's **ERP system** by integrating new modules, resolving over **20 software bugs**, and implementing client-specific features, resulting in a **25% reduction in support requests**.
- Worked on automation tools including an **ID card generator and a teacher attendance system** by building **geolocation and image-based attendance logic**, streamlining daily attendance marking for **50+ staff members**.

Quantium (Forage) | *Software Engineering Intern*   **Remote**
                                                                                  Jun 2025 - Present

- Developed and extended a **Dash-based sales analytics dashboard** for **"Pink Morsels,"** implementing a region **filter (north, east, south, west, all)** ensuring the header, line-chart visualisation, and region picker rendered correctly for stakeholders.
- **Implemented an automated test** suite using **Pytest** to verify the presence and functionality of core UI components, improving reliability and **preventing regressions during feature changes**.
- **Set up a CI-ready workflow by creating a Bash script** to activate the virtual environment, run the Pytest suite, and return appropriate exit codes**, enabling seamless integration with continuous integration engines** for automated testing on every commit.

PROJECTS

MuseChat AI| *React, TypeScript, Node.js, Gemini, Express.js*   **Source Code** | **Demo**

- Built and deployed a production-ready **AI chat app** for **real-time AI responses** with a secure backend architecture.
- Designed a **chat session management system with searchable chat history**, **session creation/deletion**, **persistent local storage**, and **user memory**, significantly improving usability and conversation retrievability.
- Solved **real-world production challenges** including **TypeScript build failures**, **API integration issues**, and **deployment debugging**.

The Tech Giants| *React, Mongo, Node.js, Express.js, Gemini, Tailwind CSS*   **Source Code** | **Demo**

- Engineered a high-performance **Full-Stack Web Application**, implementing a **"Security-by-Design" architecture** featuring **Google OAuth 2.0** and **JWT-based authentication** to eliminate local credential risks.
- **Optimized AI-driven search capabilities** by integrating the Google Gemini API, utilizing **server-side proxying** and custom **Rate Limiting middleware** to ensure system stability and prevent API abuse during high-traffic periods.
- **Architected a hybrid cloud data strategy** leveraging **MongoDB** for dynamic content delivery and **Supabase Storage** for secure technical resource distribution, for a scalable, high-speed user experience for a technical library.

TECHNICAL SKILLS

Programming Languages: C, Java, Python, JavaScript, TypeScript
Frontend: HTML5, CSS3, JavaScript (ES6+), React, Tailwind CSS
Backend: Express.js, Node.js, REST APIs
Databases: MongoDB, PostgreSQL, MySQL, Firebase
Cloud and Tools: Git, Cloudinary, Figma, Postman, Supabase
AI and Automation: Responsive design, API integration, CI/CD, Pytest and AI-Powered features (Gemini API)