SAUREN SHARMA

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EDUCATION

B.Tech. Computer Science and Engineering, NIT Hamirpur   2023 - 2027

Relevant Coursework: Introduction to Computer and C Programming, Introduction to Python, Data Structures and Algorithms, Object-Oriented Programming

EXPERIENCE

Fullstack Intern at Zentreet.ai   Oct 2024 - Dec 2024

- Spearheaded multiple operations for creating a website focused on mental health. This platform allowed therapists and patients to sign up, schedule and manage sessions, and maintain detailed progress and notes.
- Collaborated cross-functionally with team members to modify, manage, and optimize the company code base using MERN stack. Reduced page load time by 30% through front-end optimization techniques.

PROJECTS

Project: SRIJAN website   November 2024

[[Demo Link](#)]

- **Team Collaboration:** Contributed with a team of 5 members in creating the official website for college magazine of the NIT Hamirpur. Using optimization techniques, reduced image load time and optimized the page animations that improved lighthouse score by 40%.

Project: Inventory Manager   May 2024

[[GitHub Link](#) | [Demo Link](#)]

- **Created a fully functional MERN stack application:** Successfully implemented **MERN stack** to deploy a fully functional inventory management system for tracking items and finances.
- **Optimization:** Leveraged React Suspense and Server-Side Rendering, reducing data-fetch latency by **20%**.
- **Implementation of other APIs:** Integrated 5+ REST APIs, including Clerk API for user authentication and Google login, improving login speed by **40%**.

Project: Fake News Detection Model   April 2021

[[GitHub Link](#)]

- **Performance and Testing:** Engineered a machine learning model using Python to classify news articles by cleaning up dataset and leveraging ML models like **NLTK and Logistic Regression** with **98.47% accuracy**.
- **Development:** Processed and cleaned a dataset of over **20,000 news articles** and set up a pipeline to train and validate a Logistic Regression model.

SKILLS

Languages	Python, TypeScript JavaScript, Rust, HTML, CSS, SQL, C, C++
Frameworks	NextJS, React, ExpressJS, Bootstrap, Tailwind, Numpy, Pandas, ScikitLearn, Seaborn, PyTorch
Technology	Git, GitHub, VS Code, NodeJS, MongoDB, PostgreSQL, Docker, Vite, Vercel, Figma, Postman

EXTRACURRICULAR

- Volunteer Member at **Google Developer Student Clubs** to help organize multiple workshops within the college and worked on a **CPU Scheduler** to optimize Round Robin mechanism by the most optimal burst time and improved selection by 90%.
- Participated in **AI for Youth Program** organized by **Intel** and picked up various crucial skills and understanding about AI/ML.