

Deepak Singh Rathore

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LinkedIn

Summary

Computer Science undergraduate with expertise in Python, Machine Learning, and Web Development. Proven ability to build scalable applications and deploy ML models on real-world datasets. Strong foundation in Data Structures, RESTful APIs, and frontend development. Focused on solving complex problems and delivering high-impact software solutions.

Skills

- **Languages:** Python, JavaScript, C++
- **Frontend:** HTML, CSS, React
- **Backend:** FastAPI, REST APIs
- **Database:** MySQL
- **Core:** Data Structures & Algorithms, DBMS, OS
- **Tools:** Git, GitHub, VS Code
- **AI/ML:** NumPy, Pandas, Machine Learning

Interpersonal Skills

- Communication and teamwork
- Problem-solving and critical thinking
- Adaptability and quick learning
- Time management and organization
- Attention to detail

Education

B.E. CSE Chandigarh University	2027
Class XII (CBSE) Shekhawati Int. Academy	2023
Class X (CBSE) Shekhawati Int. Academy	2021

Certifications

- Data Structures and Algorithms – Infosys
- Cloud Computing – NPTEL
- SQL (IBM – Coursera)

Experience

Frontend Developer Intern

ThinkNEXT Technologies 2025

- Developed responsive UI using HTML, CSS, and JavaScript, improving usability.
- Optimized frontend performance, reducing page load time significantly.
- Collaborated on real-time projects using agile methodologies.
- Debugged and resolved UI issues, enhancing application stability.

Projects

Time Series Commodity Price Prediction

- Developed a machine learning model to forecast commodity prices using time-series analysis.
- Performed data preprocessing, feature engineering, and visualization using Python (NumPy, Pandas, Matplotlib).

Secure Confidential Inference System

- Designed a secure machine learning inference system ensuring data privacy.
- Implemented privacy-preserving techniques to protect sensitive information.
- Explored secure AI concepts and data protection strategies in ML applications.

Full Stack Web Application (FastAPI)

- Built a full-stack web application using FastAPI for backend development.
- Developed REST APIs and integrated frontend with backend services.
- Implemented authentication and database integration for scalable architecture.

Hotel Website Frontend Design

- Developed a responsive website using HTML, CSS, and JavaScript.
- Designed modern UI with animations and interactive components.
- Enhanced user experience through clean layout and smooth navigation.