Mayur Kothari

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Education

Bachelor of Technology (B.Tech) in Computer Science (Nov 2021 – May 2025)

- Poornima College of Engineering, Rajasthan Technical University (RTU)

Senior Secondary (CBSE) (Apr 2019 – Mar 2021)

- Shri Jain Public School

Experience

Web Design Intern at Daikart, Jaipur (Aug 2024 – Sep 2024)

- Crafted and maintained dynamic, responsive websites using HTML, CSS, and JavaScript, ensuring cross-browser compatibility and mobile-friendly design.
- Engineered Single-Page Applications (SPAs) with React.js, enhancing user experience with a dynamic and interactive UI.

Deloitte Australia Technology Job Simulation on Forage (Aug 2025)

- Completed a job simulation involving development and coding.
- Wrote a proposal for creating a dashboard.

Projects

Acad Calc (CGPA/SGPA Calculator) - React, Vercel

- Designed Acad Calc, a responsive CGPA and SGPA calculator using React.js to help students easily compute their academic performance across semesters.
- Built an interactive UI that allows students to add/remove semesters, reset data, and view instant results.
- Deployed the application on Vercel for fast and scalable hosting, ensuring accessibility across devices with optimized performance and mobile-friendly design.

Book Recommendation System - Streamlit, SQLite

- Designed an end-to-end content-based book recommendation system, integrating Streamlit (frontend), FastAPI (backend), and SQLite (database) for a seamless user experience.
- Built a responsive Streamlit interface with dynamic dropdown filters for authors and publishers, enabling users to refine their search from a curated database of 5000+ books.
- Developed RESTful API endpoints with FastAPI to serve book data and recommendations.

Sentiment Analysis on Customer Reviews - NLP, ML

- Engineered an NLP-based sentiment analysis model to classify customer reviews as positive, neutral, or negative using machine learning techniques.
- Implemented text preprocessing techniques such as tokenization, stopword removal, and lemmatization to improve accuracy.
- Trained and tested the model using different machine learning algorithms to improve accuracy.

Skills

- **Programming Languages:** Python, C, C++, HTML, CSS, JavaScript
- **Frameworks & Libraries:** React.js, FastAPI, Flask, Streamlit
- **Databases:** MySQL, SQLite
- **Developer Tools:** Git, GitHub, Vercel

Certificates

- **CS50x: Introduction to Computer Science** – Harvard University
- **Generative AI: Prompt Engineering Basics** – IBM (Coursera)
- **Rocket Propulsion and Spacecraft Dynamics** – KODACY
- **Crash Course on Python** – Google (Coursera)