

Vibhore Mathur

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech(CSE)	Swami Keshvanand Institute of Technology, Jaipur	8.12/10	2022-2026
Senior Secondary	Ryan International School/CBSE	92.2%	2022
Secondary	Ryan International School/CBSE	92.2%	2021

EXPERIENCE

- SoftSensor.AI** May 2025 – August 2025
MERN Developer Intern Jaipur, India
 - Built a centralized **MQTT alert system** delivering **1,000+ cross-app notifications** per week, enhancing cross-application communication.
 - Designed a unified **Data Transfer Object (DTO) architecture** consolidating **more than 30 back-end routes** from mutable responses, **eliminating inconsistencies** and **reducing client-side defects**
 - Collaborated with **cross-functional teams** in an **agile** environment to develop **scalable full-stack modules**, ensuring robustness and long-term maintainability.
- Anuin Techlogix** July 2024 – September 2024
Web Developer Intern Jaipur, Rajasthan
 - Developed a **React-Redux dashboard** displaying **real-time orders** and statuses, improving **order processing efficiency**.
 - Implemented **RESTful APIs** for menu, order, and dish flows, enabling staff to process **100+ orders/day** with **less than 3s average response time**.
 - Optimized performance using **code-splitting**, **lazy loading**, and refined **state management**, reducing page load times by **25%** and enhancing **user interactions**.

PROJECTS

- Stratifyy – Stock Backtester** Live Demo | 
Tools: React (TypeScript), Node.js, C++, Express.js, PostgreSQL, Socket.io, Recharts, JWT
 - Implemented multiple trading strategies including **Bollinger Bands**, **Mean Reversion**, and **Momentum**, leveraging a **C++ engine** for **high-performance computations** and enabling flexible, configurable backtests.
 - Built **interactive dashboards** with equity curve visualizations, **real-time trade updates via webhooks**, and drawdown analysis for key performance metrics.
- Email Sync RAG Pipeline** Live Demo | 
Tools: Node.js (TypeScript), GraphQL, MongoDB, Elasticsearch, Qdrant, Docker, React (TypeScript), IMAP
 - Developed a full-stack **RAG pipeline** for real-time email classification and AI-assisted replies, with automated Slack notifications.
 - Implemented IMAP synchronization and email parsing, storing embeddings in **Qdrant** and indexing into **Elasticsearch**.
 - Integrated **OpenAI API** for zero-shot email classification and AI-generated replies.
- WebAnalyzerAI** 
Tools: JavaScript, Chrome Extension, Cohere NLP
 - Built a **Chrome extension (Manifest V3, JavaScript)** that analyzes and summarizes website tech stacks in a popup UI.
 - Integrated **Cohere NLP** to generate concise 5-point insights on frameworks, APIs, and architecture, achieving **80% accuracy** vs. manual audits in user testing (**n=10**).

SKILLS

- Programming Languages:** Node.js, JavaScript, TypeScript, Python, C++
- Frameworks & Libraries:** React, Flask, Express.js, GraphQL
- Databases & Tools:** MongoDB, PostgreSQL, AWS, Docker, Git, Qdrant
- CourseWork:** Data Structures and Algorithms, OOPS, Operating SystemsOperating Systems, Computer Networking