




# SAKSHI

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## EDUCATION

**Thapar Institute of Engineering and Technology, Patiala**

June 2026

*B.E Computer Engineering*

*Current CGPA: 8.8/10.0*

**Ryan International School Patiala**

June 2022

*Percentage: 93.6*

## EXPERIENCE

**Samsung Prism** | *Research Project*

October 2024 - Apr 2025

Knowledge Graph based information retrieval in variety of SQL systems / No SQL systems

- A 6-month research project under the RD department of Samsung Prism, focusing on Big Data and Analysis.
- Created an end-to-end Knowledge Graph solution by integrating Neo4j with NLP techniques and local Ollama models (e.g., Mistral) to extract and query meaningful relationships from raw data

**Frugal Testing-Hyderabad India** | *SDE Intern - Testing*

June-July 2024

Summer Internship

- Developed automated test scripts using **Selenium WebDriver** and **Java**.
- Contributed to **OnlineSales.ai**, an ad manager offering white-labeled retail media solutions for targeted advertising.
- Performed **end-to-end functional and automation testing** for the platform *Osmos*.
- Identified and resolved **software bugs** and **UI/UX issues**, enhancing product reliability and user experience.

## COURSEWORK

- \* Machine Learning, Deep Learning, Data Science, Natural Language Processing, Computer Graphics, Artificial Intelligence, Speech Processing and Synthesis, Database Management Systems, Computer Networks, Operating Systems, Data Structures and Algorithms, Network Programming, Software Engineering.

## SKILLS

**Languages:** C, C++, Python, SQL, PL-SQL, HTML, CSS, Java, Selenium, Matlab, Javascript, React.js

**Tools:** Git/GitHub, Unix Shell, Webpack, Matlab, Arduino UNO, VS Code, Google collab, IntelliJ idea

**Soft Skills:** Public Speaking, Leadership, time management, problem-solving, Team work, Coordination

## PROJECTS

**TextInsight** | *React.js, FastAPI, T5 Model, VS Code*

FEB-2025

- \* Built a Text Summarizer and Keyword Extractor using React.js and FastAPI with a user-friendly UI. Used the T5 Transformer to generate concise summaries and key insights.
- \* Improved content readability and boosted productivity for professionals handling large documents.

**Smart-Meal** | *Python, Flask, OpenAI API, MongoDB*

October 2024

- \* Developed a full-stack meal planner with React.js and Redux, offering dynamic nutritional solutions based on dietary preferences.
- \* Integrated APIs, chatbot (WebSocket), and CRUD features for real-time meal plan management.

**Restaurant Management System** | *My-Sql, Pl-Sql*

JAN-MAY 2024

- \* Designed a MySQL-based system for order, inventory, and billing automation with multi-user support. Used PL/SQL to create stored procedures and triggers for efficient task management.

**Mobile App** | *Flutter, MySQL, VS Code*

AUG 2023

- \* Developed a Doctor's Appointment Booking App using Flutter and Dart with an intuitive interface for scheduling, managing, and canceling appointments. Integrated phpMyAdmin for efficient database management.

## CERTIFICATIONS

**NVIDIA: Fundamentals of Accelerated Computing with CUDA C/C++** | *NVIDIA DLI*

FEB 2025