Ayush Sareen
Email-id : `ayushsareen13@gmail.com`
Mobile No.: **8191053876**,
`https://github.com/Ayush-Sareen`

ACADEMIC DETAILS

Year	Degree/Exam	Institute	GPA/Marks(%)
Aug, 2022 - Present	B.TECH in Computer Science	Graphic Era University Dehradun	8.95/10
2022	$12^{th}, C.B.S.E$	Delhi Public School ,Ranipur	94.00 %
2020	$10^{th}, C.B.S.E$	Delhi Public School ,Ranipur	89.06 %

PROJECTS

- **Pass-OP - Password Manager**

    - Built **Pass-OP**, a password manager using React, Express, and MongoDB with full CRUD functionality.
    - Added features like edit/delete, password visibility toggle, and copy-to-clipboard.
    - Used RESTful APIs and React Hooks (**useState**, **useEffect**, **useRef**) for state and backend integration.

- **TaskTrackr - A To-Do List Website using React**

    - Built a **responsive to-do list app** using React for efficient task management.
    - Implemented features to **add, edit, and delete tasks**, ensuring a seamless experience.
    - Used **React hooks (useState, useEffect)** for state management and optimized performance.

- **NewsVerse - A News Website with AI Chatbot**

    - Created a dynamic news site using HTML, CSS, and JavaScript with real-time updates from **News-API.org**.
    - Integrated a **Gemini AI** chatbot for user interaction and AI-based news queries.
    - Added **topic-wise sorting** and a **search bar** for efficient news filtering.

- **GlyphAI - A Handwritten Character Recognition using CNN**

    - Trained a CNN model on the Kaggle A-Z Handwritten Character dataset consisting of **372,451 images**, achieving **97.65% accuracy**.
    - Used 3 Conv2D layers with Adam optimizer and trained for 5 epochs.
    - Implemented in Python (TensorFlow/Keras) on Google Colab, with data preprocessing and visualization.

TECHNICAL SKILLS

- **Languages**- C, C++, JavaScript, Java.

- **Web Technologies**- HTML , CSS , React.js , Express.js , Next.js , Tailwind CSS.

- **Tools and Methodologies**- Version Control(Git , Github).

- **Software Engineering**- Data Structures , Algorithms , Operating Systems , Object-Oriented Programing(OOP).

- **Database Technologies**- MongoDB, MySQL.

- **Machine Learning Tools**- Tensorflow , Keras , scikit-learn , Convolutional Neural Network (CNN).

ACHIEVEMENTS AND CERTIFICATES

- **Goldman Sachs Software Engineering Virtual Experience (Forage, Feb 2025) –** Completed a job simulation on IT security governance, identifying vulnerabilities in password hashing and proposing security enhancements.