

EDUCATION

Maharshi Dayanand University, Rohtak

Bachelor of Technology in Computer Science & Engineering

Aug 2019 – Jun 2023

CGPA: 7.78

KCM Public High School, Palwal

12th in Physics, Chemistry, Mathematics

April 2017 – May 2018

CGPA: 7.22

WORK EXPERIENCE

Software Engineer Trainee

Sampark Softwares Pvt. Ltd.

July 2023 – Aug 2023

- **Integrated ChatGPT API for Enhanced Chatbot Capabilities:**

Enhanced ChatBOT functionality by integrating the ChatGPT API, providing precise responses to user queries not present in the Database. Improved user satisfaction and problem-solving efficiency by expanding the range of queries the ChatBOT could handle effectively.

- **Developed Image Processing for Enhanced Information Extraction:**

Engineered image processing capabilities for the ChatBOT, enabling users to extract valuable information from images. Utilized OCR for text extraction and object recognition algorithms for identifying elements within images, including vehicle number plates.

- **Enabled Dynamic Responses with Text-to-Speech and Virtual Avatar:**

Innovated the ChatBOT platform with text-to-speech recognition and synchronized virtual avatar technology. Facilitated real-time, dynamic responses through the virtual avatar, creating a seamless and engaging user experience. Spearheaded a substantial increase in user interaction and satisfaction levels, leading to a significant rise in recorded interactivity metrics.

PROJECTS

Yourstory - Social Media Application

- Created a full stack web application enabling users to seamlessly share images and stories with their network of friends.
- Engineered a robust data modeling solution using **Mongoose** reducing memory usage by 20% and boosting database performance by 30%.
- Implemented **React Router** to enable smooth navigation with seamless user experience and incorporating **JWT** for secure authentication.
- Integrated **Multer storage** for efficient handling and uploading of multimedia content and created interactive and visually appealing UI components using **React.js**.
- **Tech Used** : MongoDB | Express.js | JWT | React.js | Node.js | Multer | React Router
- [Project Demo Link](#)
- [GitHub Link](#)

Real-Time Weather Application

- Developed a real-time weather application using **React.js** and **Material-UI** to provide users with up-to-date weather information.
- Integrated **Open Weather API** to fetch and display accurate weather data.
- **Tech Used** : React.js | MaterialUI
- [Project Link](#)
- [GitHub Link](#)

RELEVANT COURSEWORK

- | | | |
|------------------------------|-------------------------------------|---------------------------|
| • Operating Systems | • Design and Analysis of Algorithms | • Web Technologies |
| • Database Management System | • Object Oriented Programming | • Artificial Intelligence |
| • Data Structures | • Computer Networks | • Machine Learning |

ACHIEVEMENT & CERTIFICATIONS

- Consistent on [LeetCode](#) since 2022, having solved over **370+ problems**.
- Solved **700+ Data Structures and Algorithms problems** on [GeeksforGeeks](#), [LeetCode](#), [CodeChef](#), [HackerRank](#).
- Mastering **data structures and algorithms** using C and C++ [Certification](#).
- **Accenture** developer program [Certification](#).
- **DevOps** for web development bootcamp [Certification](#) by Microsoft.
- **Flipkart GRID4.0** software development challenge [Certification](#).

TECHNICAL SKILLS

- **Languages** : C, C++, Python, JavaScript
- **Development and Databases** : HTML5, CSS, Node.js, React.js, Express.js, SQL
- **Tools** : Git, GitHub, PyCharm, Jupyter Notebook, VScode.