

# Sneha

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## Education

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### Chandigarh Group of Colleges, Landran

Bachelor of Technology in Computer Science Engineering | 2022-2026

CGPA: 8.25

### Kendriya Vidyalaya No. 1 Air Force Station, Jamnagar

Intermediate (CBSE) | 2021 - 2022 | Percentage: 75.4%

Matriculation (CBSE) | 2019 - 2020 | Percentage: 92.4%

## Skills

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C | C++ | Python | HTML | MySQL | Git | JavaScript

## Projects

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### Utkarsh App for Farmers

**Platform:** Android

**Tools:** Dart, Flutter, Firebase

**Description:** Developed a user-friendly platform enabling farmers to directly connect with scientists for diagnosing and resolving plant diseases, enhancing agricultural productivity and promoting sustainable farming practices through expert interaction and advanced solutions.

**Duration:** 1-2 Months

**Team Size:** 6

### Virtual Plant Care Assistant

- **Tech Stack:** Python, HTML, CSS
- Developed a website to assist users in plant care by providing tailored watering schedules, sunlight requirements, and expert care tips. The solution addresses a government-raised issue. The Virtual Plant Care Assistant is a helpful tool designed to assist plant owners in taking care of their plants. It offers personalized care advice, reminders, and tips based on the needs of each plant. This assistant helps users maintain healthy plants by providing reminders for watering, fertilizing, and checking plant health.

### Sales forecasting dashboard

- **Tech stack:** HTML, CSS, python, JavaScript, react.js, node.js
- A Sales Forecasting Dashboard This dashboard provides a centralized view of critical sales metrics such as monthly and quarterly revenue projections, sales pipeline status, conversion rates, and comparisons to past performance. Using interactive charts, graphs, and key performance indicators (KPIs), it allows decision-makers to identify patterns, anticipate demand fluctuations, set realistic sales targets, and allocate resources more effectively. It often includes visualizations such as line graphs for trend analysis, bar charts for product or regional performance, and pie charts for market segmentation.

## Social media sentiment analysis

- **Tech stack:** Python, CSS, SQL, node.js, react.js
- Social Media Sentiment Analysis involves the use of natural language processing (NLP), machine learning, and data analytics to evaluate and interpret the emotions and opinions expressed in social media content, such as tweets, Facebook posts, or YouTube comments. By analyzing whether the sentiment is positive, negative, or neutral, businesses can gain valuable insights into public perception about their brand, products, or services. This analysis helps in brand monitoring, market research, and customer service by identifying trends, consumer pain points, and areas for improvement. Tools and technologies like Python libraries (NLTK, TextBlob, spaCy), machine learning models (VADER, BERT), and APIs (Twitter API, Facebook Graph API) are commonly used to collect and process data. Ultimately, social media sentiment analysis empowers organizations to make informed decisions, measure the success of marketing campaigns, address customer concerns in real-time, and monitor competitors' performance.

## E-commerce website traffic analyser

- **Tech stack:** python, CSS , HTML , power bi, SQL, node.js, react.js
- E-commerce Website Traffic is the flow of visitors that come to your e-commerce site through various channels, such as organic search, paid advertising, social media, or direct visits. This traffic is a reflection of your website's reach and the effectiveness of your marketing efforts. Understanding and analyzing this traffic helps you identify which channels are driving the most visits, what products or pages are most popular, and how users are interacting with your site. It's not just about the number of visitors, but the quality of that traffic—such as conversion rates, bounce rates, and average session duration—that matters. By tracking these metrics, you can optimize your website's performance, refine your digital marketing strategy, and ultimately drive more sales and improve customer engagement

## Interactive Photo Gallery

- **Tech Stack:** HTML, CSS
- Created a dynamic photo gallery with filtering and sorting functionalities, offering an immersive and customizable user experience.

## Academic and Extracurricular Achievements

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- Coordinated all three phases of Smart India Hackathon 2023
- Solved 500+ problems with a 100-day streak ranked top 10% globally.
- Honoured for excellent student in college for scoring more than 8.5 cgpa
- Lead Writer at Hack for Bloom (Startup)
- Secured 3<sup>rd</sup> position in Idea Representation Competition.
- Grand Finale Nominee, Smart India Hackathon 2024
- Head Coordinator, Eminence 2k24, IT department Club
- Awarded 5-star badge in python on Hacker Rank

## Certifications

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- Database Management System Certification from NPTEL
- AWS Certifications: Cloud Foundations & Data Engineering
- Cybersecurity Certification from College Premises
- Completed Python Certification from Infosys Springboard
- Google: SQL in data science certifications

## POSITIONS OF RESPONSIBILITY

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- **Technical Event Participant & Coordinator** – Participated in and helped organize multiple college-level technical events.
- **Leadership & Management** – Organized and led events: Decode-O-Bytes 2023 (Coding Event), Web Craft 2024 (Web Designing Event).

## INTERESTS & HOBBIES

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- Watching Movies & Series
- Doodling
- Dancing
- Networking
- Power BI
- Puzzle solving
- Travelling
- Photography

