





# ADVIK BHATT

 (+91) - 7060854316 |  advikbhatt007@gmail.com |  Linked-in |  GitHub  
Dehradun, Uttarakhand


## Education

**University of Petroleum and Energy Studies (UPES)** Dehradun, Uttarakhand  
Bachelors of Technology in Computer Science 2022-2026  
**Grace Academy** Dehradun, Uttarakhand  
10 + 2 (PCM) {92.8%} 2022

## Skills

**Language:** HTML, CSS, JavaScript, MySQL, Python, C  
**Developer Tools :** GitHub, Git, VS code, Figma

## Projects

**Spotify Track Analysis** | Data Analysis | Python | Pandas | Matplotlib | Seaborn |  [Link to project](#)

- **Data Collection and Preparation** - Gathered a **datasets from Kaggle** comprising the top 50 Spotify tracks.
- **Feature Analysis and Visualization** - Analyzed using graphs to illustrate distributions and relationships.
- **Comparative Analysis of Artists and Tracks** - Compared **50 artists** and their tracks' popularity using graphical representations to identify influential songs and factors driving popularity.
- **Insight Generation and Interpretation** - Derived insights from the analysis to **understand trends and factors** contributing to a **track's popularity**, offering actionable insights for stakeholders.
- **Visualization with Tableau:** - Employed Tableau to create visually appealing and **insightful graphs**, enhancing the project's presentation and **understanding through** intuitive **graphical and pictorial** representations.

**Login-Registration Page** | HTML | CSS | Java Script | Node.js | MongoDB

 [Link to Github](#)

- Architected and deployed a robust authentication mechanism with **Node.js**, achieving a **30%** decrease in unauthorized access incidents, safeguarding sensitive user data and enhancing overall system integrity.
- **MongoDB Integration** - Integrated **MongoDB** as the back end database, allowing for efficient **storage and retrieval of user information**. Designed schema to organize user data effectively, enhancing system scalability and performance.
- **User Registration and Login** - Implemented user registration and login functionalities, enabling seamless user interaction with the application. Achieved a smooth user experience by incorporating **validation checks** and error handling mechanisms all **integrated** with front end format.

**Chat Page** | HTML | CSS | Java Script | Node.js | Socket IO

 [Link to Github](#)

- Engineered **real-time communication** with **Node.js** and **Socket.IO** for instant messaging and updates **without page refresh**.
- Designed scalable architecture with Node.js and Socket.IO rooms for efficient broadcast messaging and handling multiple connections.
- Engineered the integration of Socket.IO with front-end technologies, enabling real-time updates on a proprietary chat platform; boosted **user engagement by 40%** and increased user **session duration** by an average of **15 minutes**.

**Desktop Assistant** | Speech Recognition | Python | Numpy |

 [Link to project](#)

- Developed Desktop Assistant leveraging **Python and external libraries** for enhanced functionality.
- Utilized "**speech\_recognition**" library to enable voice input, allowing users to interact with the assistant through **speech commands**.
- AI-Powered Responses: Integrated **openai library** to enable **AI-generated responses**, enhancing the assistant's ability to provide relevant and informative feedback to user queries.
- Spearheaded the integration of numpy for mathematical operations, **win32com.client** for system automation, and essential libraries like datetime, random, webbrowser, and os, resulting in a **30% decrease** in processing time.

## Certifications

- **Python Certification - InternPe (2024)** [View Credentials](#)