

Akshit Mathur

B. TECH CSE 3RD YEAR (AI-ML)

📍 Bennett University, Greater Noida | ✉ akshitmathur2003@gmail.com | ☎ 9119152529 | [Akshit Mathur](#)

PROJECTS

- **Muse:**
 - Implemented 10 layered Supervised Neural Network technique to analyse user music data and predict the likelihood of user acceptance for music suggestions.
 - Developed and implemented a predictive model to categorize music suggestions as Will be liked (1)/Will not be liked (2).
 - Achieved accuracy of 71% using CNN.
 - Utilized a comprehensive Spotify ID dataset comprising over 1000 artists sourced from Kaggle.
 - Integrated the Spotify API, creating a comprehensive dataset with 10 categories to describe each song, enriching the dataset for more nuanced and diverse music recommendations.
- **Spotter:**
 - Designed a Real-Time parking space detection system, achieving an accuracy rate of 95%, using a **Custom-Trained Model** based on the **Haar Cascade** classifier.
 - Trained the model to adeptly identify vehicles and differentially classify parking spots in real-time, discerning between occupied (Not Empty - 1) and unoccupied (Empty - 0) spaces with exceptional accuracy.
 - Model trains on the data collected from the utilized parking lot, encompassing a diverse array of vehicles and parking lots.
 - Used OpenCV.
- **SAFE:**
 - Built an application named SAFE with a team of 3, which is a Python password manager app with auto-typing functionality for login credentials.
 - Created a user-friendly interface to improve user experience.
 - Aimed to improve user efficiency up to 90% through the application features.
 - Created in Python, Tkinter for GUI and Pyautogui, and Autohotkey.

CERTIFICATES

- Mathematics for Machine Learning: Linear Algebra
- Build Basic Generative Adversarial Networks (GANs)
- HTML, CSS, and JavaScript for Web Developers
- Fundamentals of Digital Image and Video Processing
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- The Bits and Bytes of Computer Networking

TECHNICAL SKILLS

- **Ai/ML using Python.**
- **Object Oriented Programming in Java.**
- **Data Structures and Algorithms.**
- **C++, Java, Python, MySQL, HTML, CSS.**
- **Automation using Selenium.**

EDUCATION

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|--|-------------------------|
| • B. Tech CSE (Spec. Artificial Intelligence and Machine Learning) Bennett University | Sept 21 -June 25 |
| • Current CGPA: 8.43 | |
| • Semester-wise SGPA: 9.25, 8.15, 7.54, 9, 8.32 | |
| • Class XII (CBSE) Neerja Modi School | Mar 2021 |
| • CBSE – 89% | |
| • Class X (CBSE) Neerja Modi School | Mar 2019 |
| • CBSE – 86% | |

RELEVANT SKILLS

- **Language:** C++ | Python | HTML | CSS | MySQL.
- **Soft Skills:** Leadership quality | Public Speaking | Communication | Teamwork | Management.
- **Developer Tool:** GitHub | Visual Studio Code | Anaconda | Jupyter | CodeBlock | Eclipse.