

Hitkar Miglani

Bachelor of Computer
Science & Engineering
(AI Specialization)

Hitkar Miglani

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Summary

Motivated 2nd-year Computer Science & Engineering student with a strong foundation in **AI, Machine Learning, and Data Science**. Passionate about solving real-world challenges through AI-driven solutions. **Proficient in Python, Machine Learning, and Data Structures**, with hands-on project experience. Eager to apply analytical and programming skills to drive innovation.

Key Skills: Python | C++ | Next JS | Neural Networks | Machine Learning | Data Structures & Algorithms | Docker | SQL | Github | TensorFlow

Projects

AlzCare (Oct 2024 - Dec 2024)

Developed an AI-driven solution to assist **Alzheimer's patient caretakers**. Integrated MRI scan analysis and behavioural pattern recognition for early detection with **accuracy 95%+**. Designed it using **NextJS** and **Django** for user friendly usability and security.

Poly Play (May 2024 - June 2024)

Created a multi-game application in **C++** with **Object-Oriented Programming (OOP) principles**. Implemented classic arcade games like **Tic-Tac-Toe**, **Pac-Man**, and **Hangman** with modular, scalable code to allow easy game additions.

Face Emotion Recognition using CNN (Oct2023 - Dec 2023)

Developed a **Convolutional Neural Network (CNN)**-based model to detect and classify **facial emotions with accuracy 70%+**. Utilized **Python** and **OpenCV** for image preprocessing and feature extraction. Designed the system with modular architecture for easy future improvements.

Education

S.D. Public School Jagadhri : 12 (Non-Med) 91.4%

Chitkara University: BE CSE(AI) 9.69