

ASHAY TAKSANDE

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ABOUT ME

Highly motivated and results-oriented Computer Science student at the Indian Institute of Information Technology Nagpur (IIITN) with a strong foundation in programming languages, algorithms, and data structures. Eager to leverage academic knowledge and personal projects to contribute to a software development team in a fast-paced environment.

PROJECTS

- **MUSIC PLAYER APP – ANDROID STUDIO (JAVA)**

Developed a music player application for Android using Java and Android Studio. This application offered functionalities including:

- Media Library Integration: Scanned and displayed local music files on the device.
- Playback Control: Provided play/pause, stop, rewind, and fast-forward functionalities.
- User Interface: Designed a user-friendly interface with features like song title, artist information, and album art display (if available).

- **SNAKE GAME with Reinforcement Learning (PYGAME, PYTHON)**

Developed a Snake game using Python and the Pygame library, implementing reinforcement learning to train an AI to play the game effectively. Here's a breakdown of the project:

- Game Mechanics: Built a classic Snake game with features like snake movement, fruit collection, and collision detection.
- Reinforcement Learning Integration: Implemented a reinforcement learning algorithm (e.g., Q-Learning) to train an AI agent.
- State Representation: Designed a system for the AI to perceive the game state (e.g., snake position, fruit location, obstacles).
- Action Space: Defined the available actions for the AI (e.g., move up, down, left, right).
- Reward System: Established a reward system to guide the AI's learning (e.g., reward for eating fruit, penalty for hitting walls).

AWARDS & ACKNOWLEDGEMENTS:

- B.V.M OVERALL EXCELLENCE AWARD – 2017,2018,2019
- CLASS XII – 94.5%
- CLASS X – 95.4%
- BTECH – CGPA-8.0

INTERESTS :

DRAWING , SKETCHING, READING, PLAYING
OUTDOOR – BADMINTON, TABLE TENNIS,
PHOTOSHOP PHOTO EDITING, BLENDER 3D
MODELING ,
CYCLING, TREKKING, ETC.

EDUCATION

Indian Institute of Information Technology, Nagpur

BTech CSE Degree

Dec 2021 – Present

Dr. Ambedkar College, Nagpur

Maharashtra State Board of Secondary and Higher Secondary Education (MSBSHSE)

Higher Secondary Certificate (HSC) Education

Year passing – 2021

Bhavan's B.P Vidya Mandir, Nagpur

Central Board of Secondary Education (CBSE)

Secondary School Certificate (SSC) Education

Year passing – 2019

SKILLS

Python, Machine Learning, Deep Learning , Reinforcement Learning, Data Science, Data Analysis, C++, Java, HTML, CSS, JavaScript, React.js, Node.js, MongoDB, Bootstrap, Tailwind-CSS, Full Stack Web Development, Unix, GitBASH, Linux/Unix.

- **Data Structures and Algorithms**
- Software design and architecture
- Testing and debugging
- Agile software development methodologies
- Communication and teamwork
- Problem-solving and critical thinking
- Adaptability and resilience
- Leadership quality and Honesty
- Innovative and Strategic Thinking

CERTIFICATIONS

- I have successfully completed a Bootcamp for Full Stack Web Development from Udemy under the Instructor Dr. Angela Yu.
Certificate : <https://udemy-certificate.s3.amazonaws.com/pdf/UC-1f78af4d-1e6c-47a2-8503-2dd3a5116aba.pdf>
- I have also successfully completed a Bootcamp for Data Science and Machine Learning from Udemy under the Instructor Jose Portilia.
Certificate : <https://udemy-certificate.s3.amazonaws.com/pdf/UC-aad010d1-4d5c-45f2-a3c6-cb071b2de1c4.pdf>