ASHRITA LAHON

Atila Gaon, Jorhat, Assam

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EDUCATION

Jorhat Engineering College   **2022 – 2026**
*B.Tech - Computer Science and Engineering - **CGPA - 8.31***   *Jorhat, Assam*

Maharishi Vidya Mandir   **2022**
*Completed class 12th - **Percentage - 92***   *Jorhat, Assam*

Maharishi Vidya Mandir   **2020**
*Completed class 10th - **Percentage - 92.2***   *Jorhat, Assam*

EXPERIENCE

Intern at Jorhat Engineering College ⧉   **June 2024 - July 2024**
Role - Machine Learning intern   *Jorhat, Assam*

Intern at Indian Oil Corporation Limited ⧉   **June 2025 - July 2025**
Role - Android Development intern   *Guwahati, Assam*

PROJECTS

Self Driving Car ⧉ | HTML, CSS, JavaScript   **July 2025**

- Developed an interactive self-driving car simulation utilizing a fully connected feedforward neural network for decision-making. Implemented a sensor-based perception model for obstacle detection and path planning.
- Designed a real-time visualizer to illustrate neural network processing and decision-making.
- Enabled user interaction through both AI-driven and manual control modes, enhancing simulation flexibility and usability.

TalkBot. ⧉ | Python, Flask, Wikipedia API, JavaScript, HTML/CSS, Clipboard API   **Feb 2025**

- Developed and deployed TalkBot, a Flask-based AI chatbot that uses the Wikipedia API to answer real-time queries
- Features an innovative clipboard memory system that automatically captures and stores the last three copied/pasted texts in a dynamic clipboard menu, allowing users to reuse previous inputs in the chat.
- Fully deployed on Render, with seamless integration to a public URL.

Algorithm-Path-Finder ⧉ | JavaFX, core Java data structures (Stack, Queue, PriorityQueue)   **Oct 2024**

- Developed an interactive JavaFX Pathfinding Visualizer to demonstrate and compare DFS, BFS, and Dijkstra algorithms.
- Implemented real-time grid animation with weighted obstacles, visualizing search progression and pathfinding.
- Integrated an info panel and dynamic charts to display visited nodes, path length, and execution time for analytical insights.

TECHNICAL SKILLS

Languages: Python, Java, C++, JavaScript, SQL
Technologies/Frameworks: HTML5, CSS3, React, Flask, NodeJs, Javascript
Developer Tools: VS Code, PyCharm, IntelliJ, Canva, Figma, Android Studio

CERTIFICATIONS

- Software Engineering-Quantium
- Advanced Software Engineering - Walmart Global Tech

EXTRACURRICULAR

* Core team Member of Google Developer Group of College from 2024 to 2025
* Core team Member of GNU/linux Users Group from 2022 to 2023