ASHRITA LAHON

Atila Gaon, Jorhat, Assam

📞 +91-8638285300 ✉ ashritalahon@gmail.com in LinkedIn ⯈ Github ⯈ Portfolio

EDUCATION

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

Maharishi Vidya Mandir   **2022**
Class 12th (CBSE), **Percentage: 92%**   *Jorhat, Assam*

EXPERIENCE

Indian Oil Corporation Limited ⬀   **June 2025 – July 2025**
Android Development Intern   *Guwahati, Assam*

- Built a Flutter/Firebase app digitizing hierarchical task workflows and reporting across organizational roles.
- Implemented an automated availability filter to prevent tasking absent staff, eliminating last-minute reassignment risks.
- Added a safety-first flagging feature for hazardous tasks to ensure high-visibility alerts for high-risk operations.

Jorhat Engineering College ⬀   **June 2024 – July 2024**
Machine Learning Intern   *Jorhat, Assam*

- Achieved 87% detection accuracy by optimizing facial recognition algorithms.
- Engineered supervised learning models to maximize throughput and significantly reduce classification latency.

PROJECTS

Self-Driving Car ⬀ | HTML, CSS, JavaScript   **July 2025**

- Developed an interactive 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.

TalkBot ⬀ | Python, Flask, Wikipedia API, JavaScript   **Feb 2025**

- Created a Flask-based AI chatbot that utilizes the Wikipedia API to provide real-time query responses.
- Integrated a clipboard memory system using JavaScript to store and reuse recent user inputs.
- Deployed the application on Render with an average response time of under 3 seconds.

Algorithm Path Finder ⬀ | Java, JavaFX, Data Structures   **Oct 2024**

- Built a visualizer to demonstrate Dijkstra, BFS, and DFS algorithms on a dynamic grid.
- Included features for weighted obstacles and real-time execution metrics like path length and nodes visited.

TECHNICAL SKILLS

Languages: Python, Java, C++, JavaScript, SQL
Technologies/Frameworks: React, Node.js, Express, Flask, HTML5, CSS3
Developer Tools: VS Code, Android Studio, IntelliJ, Git/GitHub, Figma

CERTIFICATIONS

- Software Engineering Virtual Experience - Quantium (Forage)
- Advanced Software Engineering - Walmart Global Tech (Forage)

EXTRACURRICULAR

- Core Team Member, Google Developer Groups (GDG) On Campus, JEC (2024 – 2025)
- Core Team Member, GNU/Linux Users Group (GLUG), JEC (2022 – 2023)