

Aasthayuli

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Portfolio | GitHub | LinkedIn | LeetCode

SUMMARY

Computer Science student skilled in ML, Python, and full-stack development. Built end-to-end projects focused on image/video classification and AI-powered voice assistants. Seeking a Software Developer role to build reliable real-world applications.

EDUCATION

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| Global Institute of Technology and Management | Gurugram, India |
| • <i>B.Tech in Computer Science and Engineering; CGPA: 8.1</i> | <i>Oct 2022 – Present</i> |
| Jawahar Navodaya Vidyalaya | Saharsa, Bihar, India |
| • <i>Class 12th – 86.6%, Class 10th – 95.8%</i> | <i>Aug 2014 – Apr 2021</i> |

SKILLS

- **Languages:** C, HTML/CSS, Python, Java, JavaScript, SQL
- **Frameworks:** React JS, NumPy, Matplotlib, Scikit-learn, PyTorch, Flask
- **CS Fundamentals:** DSA, DBMS, OOP, OS, Computer Networks, Machine Learning
- **Tools:** Git, GitHub, VS Code, PyCharm, IntelliJ, MySQL, Postman, Streamlit

PROJECTS

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| • Water Quality Classification System Source Code View Project | Nov 2025 - Dec 2025 |
| – Built a water-quality classifier (Clean/Muddy/Polluted) using ResNet18 transfer learning , achieving 88.04% validation accuracy . | |
| – Implemented full ML pipeline: preprocessing, augmentation, training loop, validation, evaluation metrics, confusion matrix, training-history visualization, logging, and checkpointing. | |
| – Added video-classification via frame extraction and batch inference. | |
| – Built a Streamlit app supporting image + video predictions. | |
| – Tech: Python, NumPy, OpenCV, PyTorch, Streamlit. | |
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| • Personalized Voice Assistant Source Code | Sep 2025 |
| – Developed a full-stack AI voice assistant using ReactJS + Tailwind (frontend) and Flask (backend). | |
| – Captured user speech, converted speech-to-text, and displayed it on the UI. | |
| – Generated responses using Groq API (LLaMA 3.3 70B) with gTTS. | |
| – Added audio controls: play, pause, resume . | |
| – Tech: ReactJS, Tailwind CSS, Python, Flask, gTTS, Groq API. | |

CERTIFICATES

- **Artificial Intelligence and Data Analytics:** AICTE Skills4Future (2025)
- **Database Management System:** NPTEL, IIT Kharagpur (2025)
- **100 Days of Code (Python Bootcamp):** Udemy (2025)
- **Data Structures and Algorithms Using Java:** NPTEL, IIT Kharagpur (2024)
- **Programming in Java:** NPTEL, IIT Kharagpur (2024)

ACHIEVEMENTS

- Solved **100+** problems on **LeetCode**.

ADDITIONAL INFORMATION

- **NCC CATC Camp:** Barauni, Bihar (Oct 2017 – Nov 2017)
- Awarded **NCC ‘A’ Certificate** by Ministry of Defence, Govt. of India (2019).