

Jagruti Aswal

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LinkedIn | GitHub | LeetCode

EDUCATION

- **National Institute of Technology Kurukshetra** 2024 – 2028
B.Tech in Computer Science Engineering CGPA: 9.47
- **Aklank Public School** 2024
CBSE Class 12 91.6%

SKILLS

- **Languages:** Java, C, Python, JavaScript, C++
- **Web:** HTML, CSS, Tailwind CSS, React.js, Node.js, Express.js
- **Database:** MongoDB, SQL
- **Core:** Data Structures and Algorithms, Object-Oriented Programming, DBMS, Software Engineering, Operating Systems, Artificial Intelligence and Soft Computing, Computer Architecture
- **Tools:** Git, GitHub, Postman, VS Code, n8n Automation

PROJECTS

Smart Hostel Attendance Portal – In-House Training Project Live | GitHub
Tech Stack: React (TypeScript), Node.js, Express.js, MongoDB, Python (Flask), DeepFace, OpenCV, TensorFlow, Geolocation API

- Developed a full-stack hostel attendance system using face recognition, geolocation validation, and hostel WiFi verification.
- Built a facial authentication pipeline using DeepFace with RetinaFace and OpenCV for identity verification.
- Implemented a Flask microservice integrated with Node.js APIs for real-time facial authentication and attendance tracking.

Telegram Chatbot for Malnutrition Case Tracking GitHub
Tech Stack: n8n Automation, Telegram Bot API, JavaScript, Node.js, MongoDB

- Built a Telegram chatbot using n8n workflows to assist ASHA workers in tracking malnutrition cases.
- Automated height and weight data collection to determine SAM/MAM status.
- Stored and managed children's health records using backend APIs and MongoDB.

Community-Driven Medicinal Plant Platform GitHub
Tech Stack: Node.js, Express.js, MongoDB, REST APIs, JWT, bcrypt

- Built a backend platform for community-driven medicinal plant knowledge sharing using Node.js and Express; designed scalable MongoDB schemas for user and content data.
- Implemented JWT-based authentication with bcrypt password hashing and developed RESTful APIs for post creation, bookmarking, and retrieval with modular middleware architecture.

ACHIEVEMENTS

- JEE Mains: 99.44 percentile (AIR 9100); qualified JEE Advanced with AIR 12,675
- Ranked 2098 / 41,485 participants in LeetCode Weekly Contest 493
- Israeli-Indian Hackathon: Advanced to the final round as part of a team
- Smart India Hackathon: Participated in solving real-world problem statements
- Solved 400+ Data Structures and Algorithms problems

POSITION OF RESPONSIBILITY

- **Technobyte, NIT Kurukshetra (Member, 2024–Present):** Participated in technical discussions and workshops
- **Shiksha, NIT Kurukshetra (Member, 2024–Present):** Contributed to peer learning initiatives
- **Fine Arts, NIT Kurukshetra (Member, 2025–Present):** Worked with the sponsorship team to contact companies and support event funding