

Jagruti Aswal

Kurukshetra, Haryana, India
+91 8192843870 | jagritiaswal12@gmail.com
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:** Python, Java, C++, JavaScript, C
- **Machine Learning:** Supervised Learning (Regression, Classification), Unsupervised Learning (Clustering, Anomaly Detection), Neural Networks, CNNs, Transfer Learning, Reinforcement Learning (Basics), Model Evaluation, Overfitting & Regularization
- **Libraries:** TensorFlow, OpenCV, NumPy, Pandas, Scikit-learn, Streamlit
- **Web:** HTML, CSS, Tailwind CSS, React.js, Node.js, Express.js
- **Database:** MongoDB, SQL
- **Core:** Data Structures and Algorithms, Object-Oriented Programming, DBMS, Operating Systems, 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 face-recognition based hostel attendance system with geolocation and WiFi validation.
- Built DeepFace (RetinaFace) + OpenCV pipeline and integrated a Flask microservice with Node.js APIs for real-time authentication.

AI-based Plant Disease Detector GitHub

Tech Stack: Python, TensorFlow, MobileNetV2, OpenCV, Streamlit

- Trained a CNN using transfer learning (MobileNetV2) for multi-class plant disease classification, with preprocessing (resizing, normalization) to improve performance.
- Built a Streamlit web app supporting image upload and real-time predictions, with optimized inference pipeline.
- Integrated Grad-CAM for interpretability and designed structured outputs including confidence scores, remedies, and prevention strategies.

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