

Aryan Uppuganti

+91 6363243045 | au01909@gmail.com | [in](#) [Linkedin](#) | [G](#) [Github](#) | [Leetcode](#)
Bangalore- 560076

EDUCATION

B.M.S college of Engineering

Artificial Intelligence and Machine Learning

• GPA: 8.95/10.00

September 2023 - July 2026

Bangalore

Indian Institute of Technology - Madras

Foundational Bachelors in Data Science and Applications

• GPA: 8.00/10.00

September 2023 - July 2024

Chennai

EXPERIENCE

CairoVision Innovations Ltd

Machine Learning Intern

February 2023 - July 2023

Hybrid

- Engineered a data annotation pipeline, improving dataset quality by 20%.
- Developed a preprocessing and augmentation framework, increasing model robustness by 25%.
- Conducted extensive hyperparameter tuning and model evaluation, validating model performance and achieving 82% classification accuracy.

PROJECTS

Real-Time Pose-Based Action Recognition using LSTM

January 2025

- Built a real-time action recognition system using Mediapipe and a four-layer LSTM model, achieving 96% accuracy across 5+ action categories with live webcam input and under 0.5-second response time.

Heart Disease Prediction

December 2024

- Designed and implemented a cardiac disease prediction model using XGBoost, reaching 98% accuracy on 10,000+ patient records.
- Streamlined data preprocessing and used feature importance analysis to uncover top 5 cardiovascular risk factors.

EventEase — Scalable Event Management App

December 2024

- Built a scalable web app using Flask, MySQL, and MongoDB to manage 1,000+ event records with a modular backend.
- Used Redis pub-sub to reduce update latency by 40% and enable real-time sync across key services.

Sudoku Solver

December 2024

- Designed and developed a Sudoku web app with a backtracking-based solver, delivering sub-0.5 second performance for all difficulty levels.

SKILLS

- **Programming Languages:** Python, java
- **Web Technologies:** HTML, CSS, JavaScript
- **Database Systems:** MySQL, MongoDB
- **Data Science & Machine Learning:** TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy, Matplotlib
- **Developer Tools:** Git, GitHub, VS code

LEADERSHIP / EXTRACURRICULAR

Leadership and Tech Engagement

2023 – 2024

Various Organizations and Events

- Coordinated 3+ gaming tournaments as Social Media Lead, boosting participation by 40%.
- Participated in 5+ AI-focused hackathons, driving team efficiency and rapid prototyping.
- Led school TT team to 2 state championships and competed regionally in football and swimming.
- Achieved Highest grade certification in NCC and Scouts.