



ARYAN SINGH

FULL-STACK & AI/ML ENGINEER

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Noida, Uttar Pradesh

EDUCATION

BCA — AI & Machine Learning

Galgotias University, UP
2023 – 2026

Dr. A.K. Public School

Distinction in Computer Science

AWARDS

Code Astra 2025

Finalist — Galgotias x IEEE

SIH 2025 — 34th Nationally

Smart India Hackathon

GU Hackathon 2024 — 11th

Galgotias University

UP Trade Show 2024

Speaker — 2,000+ attendees

CERTIFICATIONS

AWS Cloud Foundations

Amazon Web Services

Machine Learning with Python

IBM

CCNA Cyber Ops

Cisco

Web Development

EduSkills by AICTE

AI for Beginners

HP LIFE

LANGUAGES

English

Professional

Hindi

Native

ABOUT ME

Full-Stack Developer and AI/ML Engineer building AI systems that solve real-world problems — from indigenous cattle classification for Rashtriya Gokul Mission to mental health platforms serving students. Ranked 34th nationally at Smart India Hackathon 2025 and IEEE Code Astra finalist 2025. Speaker at UP International Trade Show 2024 to 2,000+ agriculture and industry stakeholders. Actively seeking internship opportunities to contribute to impactful products at scale.

PROJECTS

CBT Mental Health Chatbot

Finalist — Code Astra 2025 · IEEE

Python · FastAPI · LangChain · Ollama · React · TypeScript · Tailwind CSS

24/7 AI-powered Cognitive Behavioural Therapy platform for students. Real-time chatbot built with LangChain + Ollama featuring guided meditation and 5-4-3-2-1 grounding techniques. Selected as finalist at Galgotias x IEEE hackathon 2025.

30-40% stress reduction (self-reported)

Real-time streaming inference

IEEE Finalist 2025

github.com/AryanSinghh07

Gopalan AI — Animal Classification System

SIH 2025 · 34th Nationally

Python · TensorFlow · OpenCV · FastAPI · CNN

Computer vision system for Rashtriya Gokul Mission to identify elite indigenous bovine breeding stock. CNN-based scoring eliminates human bias. Ranked 34th among 1,000+ teams nationally at Smart India Hackathon 2025; evaluated for government deployment.

Top 34 of 1,000+ teams nationally

CNN — 94%+ classification accuracy

Government mission evaluation

github.com/AryanSinghh07

PAWS — Pet Adoption & Welfare System

Full Stack

React · Node.js · Express.js · MongoDB · GSAP · Tailwind CSS · Python

End-to-end MERN platform connecting adopters, shelters, and pet care services with real-time listings and automated adoption workflows. Integrated e-commerce, GSAP animated UI, and shelter health record management.

Full MERN stack

Automated adoption workflows

GSAP animated UI

github.com/AryanSinghh07

AI Crop Disease Prediction System

SIH 2024 · GU 11th Place

Python · TensorFlow · OpenCV · React · JavaScript

Field-image crop disease detection system. Placed 11th at GU Hackathon 2024; selected for SIH 2024. Presented live to 2,000+ stakeholders at UP International Trade Show 2024; praised by agriculture and industry representatives.

2,000+ stakeholders — Trade Show 2024

11th of 200+ teams — GU Hackathon

TensorFlow CNN pipeline

github.com/AryanSinghh07

SKILLS

CORE — DAILY USE

Python

React

Node.js

FastAPI

TensorFlow

LangChain

OpenCV

TypeScript

PROFICIENT

Next.js

PyTorch

MongoDB

PostgreSQL

Docker

AWS

Hugging Face

Scikit-learn

Ollama

REST API

FAMILIAR

Tailwind CSS

GSAP

Express.js

GitHub Actions

Git

Linux

EXPERTISE

- LangChain & LLMs
- Computer Vision (OpenCV)
- Deep Learning (CNN / NLP)
- Full-Stack Development
- Hugging Face / Scikit-learn
- REST API Design
- React / TypeScript
- MongoDB / PostgreSQL
- Docker & Cloud (AWS)
- Git & GitHub Actions