

## ARYAN TRIPATHI

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Portfolio: <https://aryan-tripathi-portfolio.netlify.app/>

### PROFESSIONAL SUMMARY

Computer Science undergraduate with hands-on experience in building full-stack web applications and AI-based solutions. Proficient in JavaScript, React.js, Python, and SQL, with a strong foundation in data structures and problem-solving. Experienced in developing real-world projects involving APIs, data processing, and user-centric design. Seeking a Software Developer Trainee role to contribute and grow in a production environment.

### SKILLS

**Languages:** Python, JavaScript, SQL

**Frontend:** HTML, CSS, React.js, Bootstrap

**Backend:** FastAPI

**Libraries:** NumPy, Pandas

**Tools:** Git, GitHub, VS Code

**Core Concepts:** Data Structures, OOP, DBMS

### PROJECTS

#### FarmIQ – Smart Agriculture Assistant

- Built a full-stack web application to recommend crops based on soil and environmental data
- Implemented machine learning-based prediction logic using Python and Pandas
- Developed RESTful APIs using FastAPI for real-time crop recommendations
- Integrated chatbot support for farmer queries and government scheme recommendations
- Tech: Python, FastAPI, JavaScript, HTML, CSS

#### NutriLens – AI Food Calorie & Health Analyzer

- Built an AI-powered application to analyze food images and estimate calories and nutritional values
- Integrated image processing and machine learning models for food recognition and classification
- Developed backend APIs for processing user input and delivering health insights
- Implemented “Doctor Mode” for condition-based recommendations (e.g., diabetes, BP)
- Tech: Python, FastAPI, Machine Learning, JavaScript

#### Raju Lassi – Digital Menu & Food Recommendation System

- Developed and deployed a live web application to showcase structured restaurant menus
- Designed scalable data structures for Indian dishes (veg, non-veg, vegan) without duplication

- Implemented filtering and categorization features to enhance user experience
- Built a foundation for personalized food recommendations based on user preferences
- Live Demo: <https://raju-lassi-the-mithai-shop.vercel.app/>
- Tech: JavaScript, HTML, CSS, JSON

## **EDUCATION**

B.Tech in Computer Science & Engineering  
Greater Noida College (2022–2026) | CGPA: 7.5

Intermediate – KV BHEL Jagdishpur, Amethi (2022) | 70.8%

Matriculation – AJJ Academy Lashkarpur, Varanasi (2020) | 85.6%