

RUDRA MADHAB MISHRA

B. Tech — Computer Science & Engineering | GIET University

Email: rudramadhabmishra1@gmail.com Phone: +91-9853497360

Portfolio: <https://rudramadhab.netlify.app>

LinkedIn: www.linkedin.com/in/rudra-madhab-mishra-410a34364

GitHub: <https://github.com/rudramadhabofficial>

Satvic Taste: <https://satvictaste.com>



Professional Summary

An innovative Computer Science undergraduate bridging full-stack engineering, mobile app development, and advanced AI research. Founder of Satvic Taste, a live food-delivery startup with 30+ satisfied customers. Creator of Flutter Velocity, an online course for app development.

Educational Qualifications

Degree & Year	Institute Name	Board / University	% / CGPA
B. Tech (CSE) 2023–27	Gandhi Institute of Engineering and Technology University, Gunupur	GIET University	7.44
+2 Science 2023	Royal Higher Secondary School of Science & Technology	CHSE	74%
10th 2021	Saraswati Shishu Vidya Mandir, Brajavihar, Bhawanipatna	BSE	84.83%

Entrepreneurial Role

Founder & Solo Developer — Satvic Taste

Pure-Veg Festival Food Delivery Startup | 2026 – Present

- Conceptualized, designed, built, and launched a full food-delivery mobile app (Flutter) with backend, payment gateway integration — entirely solo over 3 months.
- Executed the first real campus offer at GIET University: handled all marketing, video production, Instagram ads, and customer acquisition independently — served 30+ happy customers.
- Secured the official domain satvictaste.com and established a brand collaboration with Satvic Movement (8M+ YouTube subscribers).
- Key learnings: customer value > product features; resilience under unexpected challenges; commitment drives execution regardless of obstacles.

Course Creator — Flutter Velocity

Online App Development Course | April 2026

- Designed and launched a structured 12-module Flutter course (Flutter Velocity) covering environment setup, UI/UX design, Firebase, Supabase, Gemini API integration, ML model deployment with TFLite, and Play Store publishing.
- Participants earn certificates and get a chance to publish their apps on the Google Play Store and join a Google developer/testers group.

Project Details

Satvic Taste — Mobile Food Delivery App

Tech Stack: Flutter, Supabase (PostgreSQL + RLS + Realtime), Firebase Auth, Payment Gateway, Cloudinary

- Built the complete consumer-facing Flutter mobile app for Satvic Taste from scratch as a solo developer — including UI/UX, authentication, product catalog, cart, and order flow.
- Integrated a payment gateway and real-time order tracking; handled backend setup, cloud storage, and deployment entirely independently.

- Launched a real campus food-delivery campaign at GIET University; handled all marketing, Instagram ads, video content creation, and delivery logistics alone.
- Received positive customer feedback; validated product-market fit for a pure-veg, festival-special food platform.

GIET Leave Management System

Tech Stack: Flutter, Supabase (Auth, Database, Storage), Dynamic PDF Generation, OTP Email Verification, QR Code System

- Built a smart digital leave management app that fully replaces the paper-based approval workflow for GIET University students.
- Implemented multi-level approval workflow (Class Teacher → HOD → Head Warden) with real-time status tracking and leave history.
- Designed a QR-based verification mechanism: every approved leave PDF contains a unique QR code linking to a verification portal — eliminating fake leave slips.
- Features include institutional email (@giet.edu) OTP login, secure role-based access, automatic PDF generation on final approval, and download restrictions for rejected applications.

LRCA Neural Network Architecture — Swarm Intelligence System

Tech Stack: Python (PyTorch), Genetic Algorithms, Liquid Neural Networks (LNN), Simulation Environment

- Engineered a resilient autonomous control system for high-latency, GPS-denied environments, benchmarking five neural architectures including MLP, LSTM, and Neural ODEs.
- Developed a novel Hybrid Neural Network integrating temporal state estimation with continuous-time control dynamics.
- Achieved 3x improvement in hit-score accuracy (64% vs 20% baseline) with a flight stability index of 0.172 under severe lag conditions.

SemanticRec — LLM Recommendation Engine (Research Project)

Tech Stack: Python, LangChain, ChromaDB, LLM APIs, RAG

- Built a research system comparing Generative AI approaches against traditional clustering for product discovery using RAG and vector embeddings.
- Implemented full pipeline for data vectorization, embedding storage in ChromaDB, and LLM-driven semantic search that understands unstructured user intent.

FishNet — AI Fish Species Recognition Mobile App

Tech Stack: Python (TensorFlow/Keras), Flutter, TensorFlow Lite (TFLite)

- Developed a high-accuracy Fish Species Classification model using Transfer Learning with ResNet50, then converted it to TFLite for offline mobile deployment.
- Integrated the optimized model into a Flutter app enabling real-time, on-device fish identification — complete research-to-production pipeline.

Technical Expertise

Languages	Frameworks & Libraries	AI & ML	Databases & Backend	DevOps & Tools	Core Competencies
Python, Java, C/C++, R, Dart, JavaScript, HTML5, CSS3	PyTorch, TensorFlow/Keras, Flutter, LangChain, Spring Boot, Vite	Deep Learning, Agentic AI, RAG, LLMs, NLP, GANs, Swarm Intelligence, ML Pipeline Design	Supabase (PostgreSQL, RLS, Realtime), Firebase, MySQL, ChromaDB, Cloudinary	Docker, Kubernetes, Git, Node.js, npm, FlutterFlow	DSA, RESTful APIs, System Architecture, Data Analytics, PDF Generation, QR Verification

Soft Skills

Digital Storytelling • Content Creation & Marketing • Audience Analytics • Entrepreneurial Mindset & Leadership • Client Communication • Agile Problem Solving • Time Management • Teamwork & Collaboration

Training / Certification

- Prime AIML — Industrial AI/ML Program by Apna College (Ongoing): Covers Python, Data Science, ML (Supervised, Unsupervised, Reinforcement), Deep Learning (FNN, RNN, LSTM, CNN, Transformers), GenAI, LLMs, RAG, Agentic AI, NLP, GANs, and AI Engineering Stack (Flask, Docker, Kubernetes, Git, SQL). – October 2025 – Ongoing
- Affective Computing — NPTEL (Elite Certification) – April 2025 – 80%

- Advanced R Programming for Business Analytics — NPTEL (Elite Certification) – *October 2025* – 64%
- Rocket Propulsion and Spacecraft Dynamics — Kodacy & ISRO (Online Course) – *October 2025*
- Prompt Engineering — Kodacy (Online Course) – *October 2025*
- Business Intelligence & Analytics – NPTEL – *April 2026* – 58%

Internship Programs

Machine Learning Fundamentals & Application — Internshala – June 2024

Developed a House Price Prediction Model in Python, focusing on the complete ML pipeline: data cleaning, feature engineering, and evaluation of multiple predictive algorithms.

Web Development using Java — A7 Software Solution (Offline Internship) – June 2025

Engineered a Personal Finance Management web application using Spring Boot and JPA/Hibernate with CRUD operations on MySQL/PostgreSQL, and integrated Chart.js for financial data visualization.

Achievements & Extracurricular Activities

- Founded Satvic Taste (2026): launched a live pure-veg food delivery startup, served 30+ customers in the first campus campaign, and established a brand collaboration with Satvic Movement (8M+ YouTube subscribers).
- Created and launched Flutter Velocity, a structured 12-module online Flutter development course enabling students to build and publish real apps.
- Built and deployed GIET Leave Management System — replaced manual paper leave process with a digital multi-role approval app with QR-based anti-fraud verification.
- Gained practical experience with the Google Play Store submission process; one application currently in review after successful closed testing (6+ total submissions).
- Portfolio of 30+ web projects (HTML, CSS, JS) and 15+ mobile applications (Flutter) integrating Firebase, Supabase, and the Gemini API.
- Freelance Developer: built and delivered a Social Media Website Prototype for a private client.
- Established an NGO's online presence through website development and video-driven social media campaigns.
- 5th Prize — Learnathon 4.0 Competition, GIET University (July 2025).
- 4th Prize (Consolation) — Food4Life Hackathon, GIET University (September 2025).

Personal Details

Date of Birth	13 August 2005
Gender	Male
Father's Name	Mr. Arabinda Mishra
Address	Naladia Sasan, Kendrapara, Odisha – 754141
Languages Known	English, Hindi, Odia
Interests & Hobbies	Content Creation, Singing, Drawing, Entrepreneurship

Place: Gunupur, Odisha

Date: _____

Signature: _____