

Nishchal Gaba

BUILDING DHANUR CONTENT OS · AI-NATIVE PUBLISHING · AGENTIC WORKFLOWS · WEB3

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// PROFILE

Technology leader and builder shipping production AI and Web3 systems end-to-end. Currently building **Dhanur Content OS** — an AI-native publishing & monetization ecosystem spanning agentic workflows, courses, and digital assets across 30 brands in English and Hindi. Deep foundation in deep learning, multi-agent systems, and on-chain engineering.

PHILOSOPHY *"Great leaders know one thing — that they don't know everything."*

// EXPERIENCE

Prodigal AI

Founder & CEO

India

2021 – Present

- Building **Dhanur Content OS** — AI-native publishing across 30 brands (shorts, longform, PDFs, courses), produced and distributed by agentic workflows at the lowest cost structure in the market.
- Architected AI automation pipelines and decentralized blockchain infrastructure; hosted the "Synapse Talks" podcast and led the AI content ecosystem.

Peer2Play

CTO

India

2024 – 2025

- Deployed a Web3 gaming testnet with secure smart contracts, airdrops, and on-chain leaderboards.

ZeeQ Technologies

CTO

Singapore

2021 – 2023

- Led cloud data analytics and security/intrusion-detection automation systems.

Credmark

Tech Lead

USA

2021 – 2022

- Built on-chain risk analytics, Aave/Curve discrepancy detection, Ethereum ETL, and a Uniswap V3 automated trading engine.

Unreal AI

CTO

India

2018 – 2021

- Facial-recognition security systems and model quantization for low-latency edge-device deployments.

Learnvenue

CTO

India

2017 – 2018

- AI video analysis for contextual Q&A and timeline pinning of user queries.

// ADVISORY & COMMUNITY

Confederation of Indian Industry

Committee Member

2022 – Present

Kaggle

Mentor — AI Quantization

2022 – 2023

// TECHNICAL SKILLS

AI / ML & Agents

PyTorch

TensorFlow

LangChain

Pydantic AI

MLflow

Databricks

Apache Airflow

Whisper

Gemini Pro

RAG

Custom SLMs

Web & Backend

Go (Gin)

Node.js

Next.js

React

Flask

GraphQL

REST / Microservices

Blockchain

Solidity

Hardhat

EVM

Web3.js

IPFS

DeFi

Smart Contracts

Edge, Cloud & Infra

Jetson Nano

TensorRT

Movidius TPU

Docker

Kubernetes

AWS

GCP

Azure

DigitalOcean

// NOTABLE PROJECTS

- Multi-Agent Automation System** — research → generate → review → publish, with multi-modal (image / video / anime) output.
- On-chain Risk Engine** — Aave / Curve risk models and liquidity-pool discrepancy detection.
- Web3 Casino Engine** — EVM contracts with access control, EIP-712, IPFS, and Merkle proofs.
- LLM Orchestration Pipeline** — prompt versioning, agents, logging, and cross-model evaluation.
- Uniswap V3 Trading & Backtesting** — range rebalancing + indicator backtesting (Bollinger, RSI).
- Story Book Generation Bot** — multi-modal LLM with character consistency and animation.

- **Custom RAG Chatbot** — fine-tuned LLM with retrieval and automated ticketing.
- **Crop Health via Drones** — hyperspectral imaging on Jetson Nano for agriculture insights.
- **People Tracker** — quantized MobileNetV2 on fish-eye cameras for real-time security.
- **Language Training Voice Assistant** — Whisper + Gemini Pro, gamified voice learning.
- **Fire & Threat Detection** — edge vision models for on-prem emergency detection.
- **Pose Detection** — OpenPifPaf + TensorRT, on-device exercise correction.

// EDUCATION

University of Edinburgh

M.Sc. Artificial Intelligence

UK

2016 – 2017

GGSIPIU, Delhi

B.Tech, Computer Science & Engineering

India

2012 – 2016

// PUBLICATIONS & AWARDS

PUBLICATIONS

- A Technical Analysis of Uniswap V3 — Credmark
- Streamlining Choice of CNNs & Convolution-Layer Framing — Springer
- ALGOSAGE: Liquidity Providers & Backtesting Engines — ResearchGate
- Stable-Diffusion Synthetic Generation for COVID-19 X-rays — Journal
- ZSEARCH: Generative AI Chatbot for Cloud Insights — ResearchGate

AWARDS

- National AI Merit Award — Multi-Agent Systems — CII, 2024
- Contribution Award — Delhi CM (Ms. Atishi), 2024
- Scholarship for Higher Education — Top 1% in Science — CBSE, 2011

// VOLUNTEERING

Leaders for Tomorrow

Volunteer Educator

Delhi, India

2015 – 2016

- Organized workshops and taught underprivileged children near Subhash Nagar Metro.