ANKIT DAS

Generative AI & Agentic AI Engineer | Autonomous Agents & LLM Applications
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lyrashieldai.com | lyrafinai.com

PROFESSIONAL SUMMARY

Full-stack AI engineer specialising in generative AI and agentic AI, with LLM application development experience since 2023. Develops LyraShield AI, a security and release-assurance platform for AI-assisted software. Uses Python, TypeScript, SQL and OpenAI Codex for application development, code review and testing. Experience includes RAG, multi-agent workflows, application security, technical project assessment, curriculum writing and AI workshops.

TECHNICAL SKILLS

Generative AI & Tools: LLM applications, prompt engineering, RAG, embeddings, vector search, context engineering, Azure OpenAI, OpenAI APIs, model routing, ChatGPT, Claude, Gemini, ElevenLabs, Gamma

Agentic AI & Tools: Autonomous agents, multi-agent systems, OpenAI Codex, Claude Code, Hyperagent, Hermes Agent, OpenCode, Devin IDE

Programming & Data: Python, TypeScript, SQL, PostgreSQL, pgvector, Node.js, React, Next.js, Prisma

Cloud & Deployment: AWS, Microsoft Azure, Vercel, Supabase, Docker, CI/CD

Review & Security: AI-generated code review, technical assessment, prompt injection, untrusted-content boundaries, role-based access control, sandboxed execution, privacy, human-in-the-loop review

Delivery & Writing: Git, GitHub, REST APIs, technical research, documentation, curriculum development

PROFESSIONAL EXPERIENCE

Founder & Full-Stack AI Engineer | LyraShield AI

2026 - Present | lyrashieldai.com

- Develop an agentic security and release-assurance platform for AI-assisted software, combining security scans, evidence review, fix proposals and retesting.
- Engineer prompt-injection defences, untrusted-content boundaries, sandboxed execution, role-based access control and deployment safeguards.
- Design approval and scoped authorisation for proposed fixes, with privacy controls for telemetry and findings synchronisation.
- Publish CLI and MCP packages and client integration artifacts for coding tools including OpenAI Codex, Claude Code, Cursor and Kiro.

Founder & Full-Stack AI Engineer | Lyrafin AI

2026 - Present | lyrafinai.com

- Built a market-intelligence platform using Next.js, TypeScript, Prisma and PostgreSQL with pgvector, and took it to public beta.
- Implemented Azure OpenAI model routing, prompts, input token limits and per-request cost caps to control inference usage.
- Built RAG workflows using embedding search, memory distillation and caching; designed an explainable six-factor scoring engine with traceable inputs.
- Implemented privacy controls for caching, memory retention and logs; configured multi-agent workflows with automated visual checks and writing-quality reviews.

Chief Technology and Strategy Officer | FusionwaveAI

Aug 2023 - Present | Self-employed | Remote

- Built AI solutions and autonomous agents for content creation, lead generation and other marketing and sales activities for various companies.
- Led technical architecture for an AI-powered omnichannel customer-support platform, including multi-tenant infrastructure and security.
- Built FusionChat for streaming conversational AI and FusionImage for image generation; researched Hermes Agent and authored a paper about its architecture.

PROFESSIONAL EXPERIENCE (CONTINUED)

Web3 Developer and Consultant | Self-employed

Aug 2022 - Oct 2025 | Remote

- Delivered blockchain development, tokenomics research and technical documentation for Web3, DeFi, NFT and gaming projects.

Web3 Consultant | Tegus

Aug 2022 - Oct 2023 | Freelance | Remote

- Advised clients on blockchain and DeFi technology; translated technical research and architecture into guidance for non-technical stakeholders.

Head of Blockchain, Chief DeFi Officer | Zuraverse

Jun 2022 - Mar 2023

- Developed blockchain, DeFi and NFT strategy and supported business development for a metaverse gaming product.

Earlier Freelance Experience | Self-employed

Jun 2017 - Jun 2022

- ICOs and Blockchain Investments (Jun 2017 - Jun 2022): researched and analysed 100+ early-stage crypto startups.
- Blockchain & DeFi Analyst (May 2018 - May 2022): provided freelance blockchain and DeFi analysis for Web3 startups.
- Digital Marketing Specialist (Sep 2017 - Apr 2021): managed social media accounts for businesses.

Head of Digital Marketing / Digital Marketing Manager | Cloud-Systems

Mar 2010 - Aug 2017 | Noida, India

- Promoted to Head of Digital Marketing in Jul 2013; led a team of seven and managed client accounts across SEO, website optimisation and paid campaigns.
- Created campaign reports and KPI dashboards in Microsoft Excel, with data cleaning to support client reviews.

TECHNICAL ASSESSMENT, TRAINING & WRITING

External Examiner - AI/ML | Sri Sri University | Apr 2026

- Assessed final-year projects for problem framing, solution design, implementation quality and presentation.

Curriculum Author - Technical Learner Guides | 2026

- Authored multiple technical learner guides of approximately 50,000 words each, mapped to competency codes, with worked examples, labs, capstone projects, knowledge checks and suggested answers.

Guest Speaker - Generative AI & Agentic AI | IIT Bhubaneswar | Oct 2026

- Delivered two full-day workshops, including a live application build with authentication, database integration and deployment using AI coding tools.

Guest Speaker & Mentor | KIIT, CUTM & Community | 2023 - 2026

- Taught AI agent architecture, mentored hackathon teams and delivered technical sessions for students and developers, including remote instruction.

EDUCATION & SELECTED CERTIFICATIONS

Bachelor of Technology (B.Tech), Information Technology | KIIT Deemed University, Bhubaneswar | 2005 - 2009 | First Division

AI Developer Degree (certificate), LearnWeb3 | Sep 2023; Fintech Specializations, University of Pennsylvania (Wharton) and University of Michigan; Decentralised Finance Specialization, Duke University.

RECOGNITION & LANGUAGES

Two-time ETHIndia prize winner; selected for the Hyperagent Founding 500 programme.

English: full professional proficiency | Hindi: native | Odia: native