

Yuvraj Pandey

Founder — AI Engineer — Full Stack Engineer

+91 9793787917 | yuvraj032006@gmail.com | linkedin.com/in/yuvraj-pandey-62729222a | github.com/yuvrajpandey77 | cogerphere.com

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Rust, SQL

Frontend: React, Next.js, Tailwind CSS, HTML5, CSS3, UI Development, UX Implementation

Backend: Node.js, Express.js, REST APIs, WebSockets, Authentication, System Design

Databases: PostgreSQL, MongoDB, SQL, NoSQL

AI & Research: Applied AI, Agentic Systems, RAG, Prompt Engineering, LLM Integration, AI Research, Model Evaluation, Local AI, Research Workflows

Cloud & DevOps: AWS, EC2, S3, Linux, Docker, CI/CD, Deployment, Nginx

Tools: Git, GitHub, Postman, VS Code, Figma

EXPERIENCE

Founder & CEO

feb. 2025 – Present

Cogerphere AI Labs

Lucknow, India

- Founded and lead an AI-focused research and software engineering company building developer tools, AI products, and intelligent software systems.
- Architected and developed OpenBentt, a local-first AI workspace designed for research, productivity, and advanced document workflows.
- Built systems for PDF analysis, document intelligence, LaTeX workflows, model benchmarking, and multi-model AI experimentation.
- Designed and implemented full-stack products using TypeScript, Python, React, Next.js, Node.js, PostgreSQL, MongoDB, and cloud infrastructure.
- Conduct research on agentic AI systems, Retrieval-Augmented Generation (RAG), local inference, prompt systems, and model evaluation pipelines.
- Led product strategy, architecture design, deployment pipelines, engineering execution, and roadmap planning across startup products.

Product Manager & AI Engineer

feb. 2024 – jan. 2025

Molyweb

India

- Managed product development across multiple software applications from ideation through deployment and maintenance.
- Led cross-functional collaboration between engineering, design, and stakeholders to deliver production-ready applications.
- Designed AI-powered workflows using LLMs, automation pipelines, and intelligent software architectures.
- Contributed to backend engineering, API development, database architecture, cloud deployment, and system design decisions.
- Defined product roadmaps, technical requirements, feature prioritization, and execution strategy.
- Improved development efficiency through structured planning, process optimization, and technical leadership.

PROJECTS

OpenBentt | *TypeScript, React, Next.js, Node.js, Python, AI APIs, Local LLMs, Desktop Engineering* 2024 – Present

- Built a local-first AI workspace designed for researchers, developers, and technical teams that need more than a generic chatbot.
- Architected support for local and cloud AI providers, enabling privacy-focused workflows, model experimentation, and flexible usage.
- Implemented PDF analysis, document intelligence, structured note-taking, LaTeX support, and AI-assisted writing workflows.
- Built benchmarking and evaluation systems to compare model outputs across providers and configurations.
- Designed the product around speed, local control, offline capability, and researcher-centric workflows.
- Created a desktop-oriented architecture with emphasis on usability, modularity, and high-trust technical workflows.

Clox <i>TypeScript, React, Next.js, Node.js, Web3</i>	2025 – Present
• Built an AI-assisted platform for smart contract generation and simplified blockchain development workflows. • Designed developer-friendly interfaces and automated flows for converting requirements into contract-oriented outputs. • Implemented modern frontend and backend layers using TypeScript-based full-stack architecture. • Focused on reducing friction in contract creation and improving accessibility for Web3 builders.	
Multi-Model AI Platform <i>TypeScript, React, Node.js, Express.js, AI APIs</i>	2024
• Developed a unified AI platform for interacting with multiple foundation models through a single interface. • Implemented model selection, conversation flow, prompt handling, and API integration across providers. • Built scalable backend services and reusable UI components for AI-powered workflows and experimentation.	
Trading Apps and Internal Tools <i>TypeScript, React, Node.js, Python, SQL</i>	2023 – Present
• Built multiple experimental and production-oriented applications across finance, automation, and internal tooling. • Worked on dashboard interfaces, backend logic, deployment, and data handling for real-world workflows. • Used these projects to strengthen systems thinking, debugging, and product execution speed.	

ACHIEVEMENTS

- Founder of Cogerphere AI Labs, building research-first AI software and developer tooling.
- Built and shipped OpenBentt, a flagship local-first AI workspace for technical and research workflows.
- Worked across product management, AI engineering, backend development, and full-stack product delivery.
- Completed multiple real-world applications and startup-grade projects across AI, Web3, automation, and web development.
- Strong Linux user with practical deployment, cloud, and infrastructure experience.

EDUCATION

Maharishi University of Information Technology (MUIT)	Lucknow, India
<i>Bachelor of Computer Applications (BCA) – Pursuing</i>	<i>2024 – 2027</i>