

ADARSH BHARDWAJ

Software & AI Engineer

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PROFESSIONAL SUMMARY

AI Engineer focused on designing and building production-grade AI applications, autonomous AI agents, and end-to-end AI product systems. Experienced in AI health systems, multi-agent workflows, RAG pipelines, text-to-SQL architectures, APIs, and scalable cloud deployments. Building Paisa, an AI CFO and financial operating system for businesses and individuals.

TECHNICAL SKILLS

- Languages: Python, JavaScript, TypeScript, Java, C++, SQL
- Frameworks & Libraries: React, Node.js, Express, FastAPI, Django, TensorFlow, PyTorch
- Databases: PostgreSQL, MongoDB, Redis, DynamoDB
- Cloud & DevOps: AWS, GCP, Lambda, Docker, Kubernetes, GitHub Actions, Jenkins
- Tools & Technologies: Git, REST APIs, LangChain, Streamlit, Agile/Scrum, Jira

PROFESSIONAL EXPERIENCE

Founder & AI Engineer - Paisa (AI CFO)

Paisa - An AI CFO & Financial Operating System

- Architected and deployed autonomous AI agents for accounting, tax, investments, and financial planning
- Integrated bank accounts using secure connectors to fetch real-time transactions and financial insights
- Built financial modules for expense aggregation, UPI, SIPs, loans, investments, tax, and documents
- Developed scalable backend architecture with AI/ML capabilities and cloud infrastructure
- Tech Stack: Python, FastAPI, JavaScript, AWS, Docker, Kubernetes

AI Engineering Intern - MCPfy.ai

MCP-based AI Infrastructure & Developer Platform

- Contributed to AI agent and MCP-based developer tooling and workflows
- Built and integrated APIs and tools for AI automation and developer workflows
- Debugged product features, improved reliability, and tested integrations
- Collaborated on AI product development and developer experience
- Tech Stack: Python, JavaScript/TypeScript, MCP, REST APIs, Git

Senior AI Health Engineer - NutriScan AI

NutriScan AI - AI Nutrition & Health Platform

- Built an AI nutrition system to analyze food images and provide nutrition, protein, calorie, and meal insights
- Designed personalized meal and diet plans using AI models
- Tech Stack: Python, FastAPI, PyTorch, OpenAI API, LangChain, PostgreSQL, React, Docker

Open Source Contributor

- Developed features, fixed bugs, and improved documentation and performance across AI/ML and developer tools
- Contributed to Python, JavaScript, and AI agent frameworks
- Platforms: GitHub, Hugging Face, LangChain, open-source projects

KEY PROJECTS

- Paisa - AI CFO & Financial OS: End-to-end AI financial management platform for SMEs and individuals
- NutriScan AI: AI nutrition scanner with food-image analysis, diet plans, and health insights
- AI Agent Framework: Multi-agent AI system for task automation, financial planning, and reporting
- RAG Financial Assistant: Retrieval-Augmented Generation system for finance Q&A;

EDUCATION

IGNOU | Bachelor of Arts (English Honours) | 2024-2027

Distance Learning

Appeared in JEE Advanced

ADDITIONAL SKILLS

- Programming: Python, TypeScript, JavaScript, SQL
- AI/ML: Scikit-learn, NumPy, Pandas, OpenAI API
- APIs: REST APIs, WebSockets, GraphQL
- Tools: VS Code, Docker, Postman, Jira
- Others: Agile, CI/CD, Testing, Monitoring

CURRENT FOCUS

- Building Paisa - AI CFO to empower businesses and individuals
- Scaling NutriScan AI for better health and nutrition
- Researching LLMs, AI agents, and RAG systems
- Building products that create real-world impact

ACHIEVEMENTS

- Presented Paisa AI platform to mentors, investors, and peers
- Built and deployed AI applications in finance, health, and nutrition
- Completed courses in Solutions Architect, AI/ML, and Agentic AI