

Prateek Anand

AI Engineer | Full-Stack Developer | **Bharat-First** Technologist | **15+ Years Coding** Since School Days | **Innovation is my Passion** | Driven by Spirituality & Business Enthusiasm

www.prateekanand.com

(+91) 9122992255

prateek.anand.office@gmail.com

github.com/bizprat

EXPERIENCE

Self Employed, Patna

Jan 2025 - PRESENT

- Engaged in freelance projects while undertaking **deep upskilling in AI application development**, focusing on **LLM/agent orchestration, advanced prompting strategies, RAG-based memory integration, context engineering, and complex reasoning techniques**.
- Gained hands-on experience with **LangChain, LangGraph, LangSmith, Model Context Protocol, Guardrails**, and deployment of **open-source LLMs** using **vLLM** and **LiteLLM**.
- Built "[Cody-Budy](#)" (code link at bottom), a self-coding AI agent capable of generating **production-ready, readable, scalable, and maintainable code** to assist developers, leveraging advanced prompting, tool calling, and automated debugging workflows.
- Designed a **systematic AI-assisted development framework** enabling developers to efficiently build **complex, UX/DX-optimized applications** without compromising scalability, quality, or maintainability.
- Applied this framework to develop a **Nest.js backend** for a full ERP platform (Pathoware), with **Next.js frontend currently in progress**.

Intelegencia, Noida — Sr. Software Engineer

Jun 2023 - Dec 2024

1. CRM for E-commerce Brand (Salesforce Replacement)

- Led end-to-end development of a custom full-stack CRM (Next.js, Nest.js) replacing Salesforce, supporting refunds, repairs, replacements, and part orders.
- Delivered production-ready solution in a **tight 8 months deadline** with a 7-member team using **TDD (Jest)** for high-quality, testable code.
- Integrated Salesforce APIs and microservices for real-time sync of orders, customers, and inventory with robust error handling and retries.
- Migrated **200M+ DB rows (~1.5 TB)** and **15+ TB** of files to **AWS S3**, ensuring high reliability and data consistency.
- Implemented **Redis caching**, pagination, and optimistic UI to enhance performance and agent experience.

CORE TECHNICAL SKILLS

Programming: TypeScript, JavaScript, PHP, SQL, Node.js, React.js, Next.js, Nest.js, Python, HTML, CSS

Databases: PostgreSQL, MySQL, MongoDB, Redis, Vector DBs (Qdrant, Pinecone), Graph DB (Neo4j)

Frameworks & Tools: LangChain, LangGraph, LangSmith, n8n, MCP, Nest.js, Next.js, Express.js, React.js, Bootstrap, TailwindCSS

Cloud & Infra: AWS (S3, Lambda, CloudFormation, EC2, RDS), Docker, Linux, Infrastructure as Code

Testing & Quality: Test-Driven Development (Jest), API Testing, CI/CD Pipelines (GitHub Actions)

AI/ML & DATA ENGINEERING

LLM Agent Orchestration, RAG Pipelines, Prompt Engineering, Context Engineering, Guardrails

Data Processing: ETL Pipelines, CSV/JSON Parsing, Serverless Data Ingestion

Web Scraping: Cheerio,

- Eliminated ₹3 Cr/year salesforce licensing costs, improved system speed, and increased customization flexibility.

2. Unstructured Data Ingestion Pipeline

- Developed a modular, serverless **data ingestion tool to process unstructured ZIP files** (CSVs, docs, images), transforming data for PostgreSQL and storing binaries in AWS S3.
- Automated infra provisioning with AWS CloudFormation (**Infrastructure as a Code**), improving throughput and cutting manual data entry by ~80%.

ZNAS Solutions, Kolkata (Remote) — Full-Stack Developer

OCT 2020 - DEC 2021

- Designed and developed backend architecture for a custom OTT platform, including database schema, API development, and third-party integrations.
- Integrated **video streaming, CDN, payment gateways, and RBAC for scalable content delivery.**

Newz Street Media, Noida — Full-Stack Developer

JAN 2017 - DEC 2018

- Fixed critical vulnerabilities (SQL Injection, XSS) and deployed **WAF** to enhance application security. Implemented application-layer caching, boosting site speed by **600%**.

EDUCATION

Greater Noida Institute of Technology, Greater Noida — Bachelor in Technology (2012 - 2016)

PROJECTS

Pathoware ERP – AI-Assisted ERP for Pathology Labs

Built scalable backend (Nest.js, PostgreSQL) with AI-assisted diagnostic reporting, multi-branch management, and role-based access, enabling efficient lab operations.

Shree-Kundli – Vedic Astrology Automation Tool

Developed astrology software to generate North Indian style charts, apply predictive rules, and deliver automated horoscope reports using custom calculation algorithms.

Cody Buddy — Github

<https://github.com/bizprat/cody-buddy/>

BeautifulSoup

Deployment: MLOps (model serving, containerized AI apps)

SUPPORTING SKILLS

Security: Application Hardening, WAF, OWASP Top 10, Secure API Design

Project Delivery: Agile/Scrum, Team Leadership, Technical Documentation

NON-ENGINEERING SKILLS

WordPress, Digital Marketing, Affiliate Marketing, Amazon Ads, Meta Ads

LANGUAGES

Hindi: Native Proficiency, English