

YASHVARDHAN SINGH

Forward Deployed Engineer | AI Automation & Customer Implementations

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Forward-deployed engineer who turns ambiguous customer workflows into shipped AI systems. Cut unqualified demos 60%, reduced compliance documentation 80%, and delivered 99.9%-available AI routing at 70% lower operating cost. Hands-on across discovery, prototyping, deployment, production analysis, and technical handoff.

Implementation & Engineering Experience

Founder's Team – Engineer

Jun 2026 – Aug 2026

PineBrook Technologies | pinebrook.in

New Delhi

- **Cut unqualified demos 60% and the sales cycle by 3 weeks** by taking an AI-automation qualification workflow from customer discovery through build and technical validation.
- Translated ambiguous EU compliance requirements into specifications and delivery roadmaps; shipped LCA/PCF automation that reduced documentation effort 80% and enabled market entry.
- Built a customer-facing demo environment with sub-100ms edge latency for 3+ qualified enterprise opportunities, then standardized implementation documentation and cross-functional handoffs.

Research Fellow

Jan 2026 – May 2026

School of Computer Engineering, KIIT | research

Bhubaneswar

- Identified vision encoders as 70–85% of time-to-first-token by benchmarking 8 architectures on 4 hardware platforms, informing edge-AI deployment decisions.
- Discovered a “Cache Cliff” performance pattern and built a hardware-aware framework matching models to real-time, interactive, and batch workloads.

Founder & Product Engineer

Sep 2025 – Dec 2025

TexOS – AI-native document platform | texos.yashvardhan.dev

Remote

- Built and launched an AI-native document platform to 50+ weekly active users; shipped a natural-language diagramming workflow that increased weekly activation 40%.
- Designed multi-provider AI routing and edge delivery with 99.9% availability through provider outages while cutting operating costs 70% versus centralized alternatives.
- Used adoption and churn signals across 20+ output formats to prioritize delivery; built self-serve onboarding and technical guidance for technical writers and engineering teams.

Solutions Engineer, B2B Marketplace

Jun 2025 – Aug 2025

Medikabazaar

Gurugram

- **Reduced payout turnaround from 3 days to under 10 minutes** across 400+ monthly transactions by redesigning the workflow around seller and operations constraints.
- Analyzed a document-extraction funnel on production data, isolated accuracy failure modes, and shipped fixes that removed manual-correction bottlenecks.
- Resolved catalogue-sync issues across 10,000+ seller records in 28 states, improving downstream ML automation reliability 35% and coordinating fixes across product, operations, and seller-success teams.

Leadership

Technical Community Lead

Mar 2023 – May 2025

Microsoft Learn Student Ambassadors, KIIT

Bhubaneswar

- Led a 150+ member community, delivered a 3,500+ participant technical event, built onboarding for 100+ ambassadors, and trained 400+ attendees on Azure cloud technologies.

Education & Skills

B.Tech (Honours), Information Technology, KIIT University

Aug 2022 – May 2026

CGPA: 8.38/10 | Top 100 of 60,000+ students | IIT Delhi Ideathon Winner

Customer Delivery: Technical discovery, solution scoping, PRDs/BRDs/RFPs, prototyping, demo environments, implementation handoffs

AI & Systems: AI routing, model benchmarking, latency analysis, edge architectures, Cloudflare Workers/D1, IndexedDB

Analysis: Production data analysis, funnel analysis, experimentation, adoption and churn signals, JIRA