

# SAGAR VERMA

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## SENIOR AI & CLOUD TECHNOLOGY EXECUTIVE

*Digital Transformation Leader | Vision AI Expert | Cloud Architect*

15+ years leading cross-functional teams to deliver cutting-edge AI solutions and enterprise-scale cloud platforms. Proven track record of:

- Shipping production AI systems that drive business value (YOLO, Hugging Face, Stable Diffusion)
- Architecting cloud-native platforms handling 1M+ users with 99.9% availability
- Building and mentoring high-performance engineering teams (25+ engineers)
- Bridging the gap between technical innovation and business objectives

### Core Differentiation:

- Hands-on experience with full-stack AI development (from model training to deployment)
  - Unique combination of technical depth (coding, architecture) and executive leadership
  - Proven success across startups and enterprises
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## TECHNICAL SKILLS

- **AI/ML:** Vision AI (YOLO, SH17), NLP (Hugging Face, LLMs), Predictive Analytics (H2O.ai), Generative AI (Stable Diffusion, LoRA/Flux), Deep Learning (PyTorch, TensorRT), Computer Vision (OpenCV)
  - **Cloud:** AWS (Lambda, EC2, SageMaker), RHOSO 18 (OpenStack-on-OpenShift), Kubernetes, GCP, Azure ML, Serverless Architecture
  - **DevOps:** CI/CD (Jenkins, ArgoCD, GitHub Actions), Docker, MLOps, Terraform, Infrastructure as Code
  - **Programming:** Python, Node.js, TypeScript, Java/Kotlin, PHP
  - **Mobile:** Android Development, Flutter, React Native
  - **IoT & Edge:** NVIDIA Jetson, ESP32, Raspberry Pi, RFID, Sensor Networks
  - **Leadership:** Agile Roadmapping, OKRs, Stakeholder Management, Team Building, Vendor Negotiation
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## PROFESSIONAL EXPERIENCE

### AVP Technology

**Bijak** (Krishiacharya Technologies Pvt Ltd) | 2020 – 2025

Scaled agri-trading platform to 1M+ users with AI/cloud innovations.

**AI Initiatives** (Hands-On Execution)

- Warehouse Safety System: Trained YOLOv5 on SH17 dataset (NVIDIA Jetson + edge cameras) to detect forklift hazards
- Coconut Water-Level Detection: Built CNN + audio analysis model (Python/TensorFlow), cutting manual inspection time by 70%.
- Restaurant Process Optimization: Deployed Vision AI (OpenCV) for kitchen analytics, improving throughput by 25%.
- Generative AI Workflows: Fine-tuned Stable Diffusion (LoRA on Flux) + automated pipelines via ComfyUI, slashing content costs by 30%.
- Predictive Inventory Management: Forecasted demand with 88% precision, cutting waste by 20%. (H2O.ai, AWS SageMaker)

### **Strategic Leadership**

- Reduced AWS costs by 15% via spot instances/auto-scaling while maintaining 99.9% uptime.
  - Scaled engineering team from 5 to 75, implementing Agile/MLOps best practices.
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## **Technology Consultant**

Freelancer | 2017 – 2019 | Delhi

Advised startups and enterprises on full-stack development, IoT, and AI-driven solutions.

Projects:

- Planet Green Bikes (Delhi Govt. Partnership)
  - Architected IoT-enabled bicycle-sharing system using AWS IoT Core, custom chip design (ESP32), and hardware prototyping.
  - Built real-time tracking and fleet management dashboards, reducing operational costs by 25%.
- Aam Aadmi Party (AAP) Official App
  - Led development of news dissemination platform (Android/Kotlin + Node.js backend), reaching 500K+ users with push notifications and analytics.
- PVR Cinemas Ticket Booking App
  - Revamped mobile app (Flutter) with seat-map optimization, cutting booking time by 30%. Integrated payment gateways (Razorpay).
- Resotto (Restaurant Management System)
  - Designed IoT-enabled tables (RFID sensors + Android tablets) for order automation, improving table turnover rate by 20%.
- Fab Furnish (E-Commerce Platform)
  - Developed PHP/Node.js backend with 3D product previews, boosting conversion rates by 15%.

### **Co-Founder & CTO | Fitnapp (2015–2017)**

- Scaled fitness app to 10K+ users.

- Featured in: [Inc42](#) | [Tracxn](#) | [F6S](#)

*Sr. Software Engineer | HT Media (2013–2015)*

- *Optimized Android app (30% ANR reduction), impacting 1M+ users.*

*Tech Lead | SPCITS (IT Services) | 2012–2013*

- Led 5-developer team building custom Android apps

*Android Developer | Smoke Tech | 2010–2012*

- Built 10+ Android apps (Java)
- Pioneered early mobile payment integration

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## *EDUCATION & CERTIFICATIONS*

- *B.E. Computer Science | MD University Rohtak*