ATHARV BHOSALE

AI/ML Engineer | AI Agents, LLMs & Edge AI Hardware | Full-Stack Developer

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PROFESSIONAL SUMMARY

AI/ML Engineering undergraduate (B.Tech, 2nd year) already shipping production AI. Built the core systems of two live products: Sorch, an AI voice-agent recruiting platform, and Salex, a WhatsApp-native salon booking platform in use in Mumbai. Building Project AI Box with Ahum Labs: an on-premise edge AI computer that runs sandboxed multi-agent workloads on local LLMs, with custom control board and firmware. Stack: LLM agents, voice AI, Next.js, Flutter, Docker, self-hosted GPUs.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Dart

AI / ML: Large Language Models (LLMs), AI Agents, Multi-Agent Systems, Voice AI, Retrieval-Augmented Generation (RAG), Local LLM Deployment, Prompt Engineering, PyTorch

Agents & Automation: n8n, OpenClaw, Hermes, Tool Calling, Workflow Automation, WhatsApp Business Integrations, Human-in-the-Loop Approvals

Web & Mobile: Next.js, React, Node.js, Express, REST APIs, Flutter, Expo, React Native, Tauri

Infrastructure & DevOps: Linux, Docker, AWS, Tailscale, Self-hosted GPU/CPU Servers, Git

Hardware: Embedded Systems, Firmware, Custom Control Boards, IoT, Robotics, Hardware Simulation

EXPERIENCE

Full Stack Developer Intern, Ahum Labs — Summer 2026 – Present

Forward-deployed AI engineering firm serving maritime and offshore clients — *Mumbai, India*

- Built the core system of **Sorch** (sorch.co), a deployed AI recruiting platform: recruiters bulk-upload CVs as a .zip and voice agents auto-dial every candidate over Vobiz telephony, replacing hundreds of manual screening calls.
- Built the screening and scoring pipeline: agents verify rank, STCW certifications and availability, score qualified candidates out of 100, and return call recordings, full transcripts and AI summaries.
- Built the real-time campaign dashboard tracking total calls, qualified leads, rejections and minutes used, plus configurable agent prompts.
- Building **Project AI Box** with Ahum Labs (see Projects).

Co-Developer, Salex — 2026

Salon management and booking platform (salexnow.com) — *Mumbai, India*

- Built the core system behind Salex's WhatsApp-native booking flow: customers scan a QR code, pick a service and time slot and confirm in a few taps, with no app install.
- Built the owner mobile app covering appointments, staff, inventory, expenses and income, plus the salexnow.com marketplace; the platform is live and in use by salons in Mumbai.

Freelance Software Developer — 2025 – Present

- Delivered projects for 5 clients end to end (requirements to deployment), including a native Android app (Flutter) and a desktop app (Tauri) for a consumer brand.

PROJECTS

Project AI Box – On-Premise Multi-Agent Edge AI Computer — 2026 – Present

- Building with Ahum Labs a single-board computer that runs many AI agents concurrently, each in an isolated sandbox, on local LLMs with zero cloud dependency (aibox.ahumlabs.com, prototype stage, onboarding design partners).
- Integrates with office systems such as Tally, logs every agent action for auditability, and routes high-impact actions to the owner for one-tap mobile approval.
- Designing a custom control board and firmware optimised for agent workloads, simulation-validated before fabrication.

Private LLM Digital Twin – for a Professor at IIT Bombay — 2026 – Present

- Building a voice-operated, fully local LLM with retrieval that captures the professor's knowledge and reasoning and keeps learning from conversations, with no data leaving the machine.
- Scoped and quoted the dedicated deployment hardware; prototyping on an NVIDIA RTX 5060 Ti (16 GB).

Friday – Autonomous AI Assistant Agent and Wheeled Robot — 2026 – Present

- Building the agent layer that automates real office tasks on Project AI Box, plus a 3-ft wheeled home and business assistant robot (inspired by Samsung Ballie); pitching it to the university Vice Chancellor.

Self-Hosted Private Cloud (Homelab) — 2025 – Present

- Rebuilt two retired PCs into 24/7 Linux servers running Docker, networked over Tailscale; hosts local models, agents and services; deployable from anywhere, even a phone.

EDUCATION

Bachelor of Technology (B.Tech), Artificial Intelligence and Machine Learning — 2025 – 2029 (Expected)

Universal AI University, School of AI & Future Technologies, Maharashtra, India

LEADERSHIP & ACTIVITIES

- **Senior Technical Team Lead, AI Pulse** (university AI club): lead the technical team behind events and workshops; author "Pulse of the Week", a weekly AI newsletter read by students and professors.
- **Google Gemini Student Ambassador** | **Paytm Ambassador** | **University Ambassador** | SemiX Summit 2026, IIT Bombay