

S Prajwall Narayana

AI Engineer, Founding Team — Colligence Research
Bengaluru, India (open to US relocation)
Requires US work authorization / visa sponsorship

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SUMMARY

AI Engineer on the founding team at Colligence Research, working across both halves of the same system: multi-agent and LLM pipelines over MCP and the backend APIs behind them, plus end-to-end ownership of the DevOps/SRE platform they run on — CI/CD, infrastructure-as-code, Docker, observability, alerting and authentication. Published three times in peer-reviewed venues (Springer, IEEE).

EXPERIENCE

- AI Engineer — Colligence Research** Feb 2026 – Present
Founding team Bengaluru, India
 - Established the DevOps and SRE function from scratch and lead it: CI/CD, infrastructure-as-code with OpenTofu and Ansible on Linode, observability, alerting and incident runbooks.
 - Replaced manual GitHub deploy workflows with automated pipelines, cutting deployment errors for a four-person founding team; operate the production stack end to end (Docker, Zitadel auth and RBAC).
 - Own system architecture across the infrastructure and tooling workstreams; building a retrieval-augmented system into the infrastructure layer so SRE work is grounded in the organization's own configuration and history.
- Associate AI Engineer — Colligence Research** Dec 2025 – Feb 2026
Founding team Bengaluru, India
 - Led a small team building the company's first multi-agent LLM pipeline for ERP automation over MCP, keeping long-running, multi-step workflows on track without human intervention.
 - Designed and built a code-generation service that parses structured specifications and emits deployment-ready web applications.
- Associate AI Engineer Intern — Colligence Research** Nov 2025 – Dec 2025
Founding team Bengaluru, India
 - Prototyped the founding team's first LLM integrations and agent workflows — the foundation the production multi-agent pipeline was later built on.
- Research Intern, AI & Deep Learning — RVCE Centre of Excellence** Oct 2024 – Dec 2024
Research internship Remote
 - Built a deepfake-detection model from scratch for manipulated-face video, using no external detection APIs; trained and evaluated on the FaceForensics++ and DFDC benchmark datasets.
- Associate Consultant Intern, Enterprise Cybersecurity — Ernst & Young** Aug 2024 – Sep 2024
Consulting internship Bengaluru, India
 - Shadowed senior consultants on enterprise cloud-security and IAM engagements; gained exposure to the TOGAF and IFTAS frameworks and how cloud security reviews are run.

SELECTED ENGINEERING PROJECTS

- Arogya-Sathi — offline-capable multilingual AI healthcare platform** Jan 2025 – Jun 2025
LangGraph, Ollama, quantized models, CI-gated eval harness github.com/Developer1010x/Arogya-Sathi
 - Deterministic, rule-based drug-interaction and crisis-detection safety layer the language model cannot override; a 62-case labeled evaluation harness scores it and runs as a CI merge gate.
 - Measured: crisis detection recall 1.00 / precision 0.93; emergency 1.00 / 1.00; drug screening 1.00 / 1.00. Building the harness surfaced a real missed self-harm disclosure.
 - LangGraph pipeline turns an uploaded medical report into a plain-language explanation with a self-verification loop; runs fully offline on quantized models (demonstrated on a Raspberry Pi). Placed third at the college final-year showcase.
- openplay — open-source screen-casting system in Rust**
Rust, GStreamer, WebRTC, mDNS github.com/Developer1010x/openplay
 - Casts a screen to AirPlay, Miracast and a native WebRTC protocol across Linux/macOS/Windows; AirPlay HAP pairing, FairPlay, RTPS negotiation and Wi-Fi Direct implemented in Rust with mDNS discovery and GStreamer pipelines.
- agentic-devops — AI CI/CD pipeline generator and monitor**
Python, LLMs, CI/CD github.com/Developer1010x/agentic-devops
 - Generates and monitors CI/CD pipelines for GitHub, GitLab and Gitea using LLMs.

TECHNICAL SKILLS

AI & LLM Systems: Agentic systems, MCP orchestration, multi-agent workflows, RAG, LangChain, LangGraph, Claude API, evaluation harnesses.
Infrastructure & DevOps: CI/CD, OpenTofu (IaC), Ansible, Docker, Linux, Linode, observability & alerting, incident runbooks, Zitadel (SSO/IAM), RBAC, Git.
Languages & Backend: Python, FastAPI, REST APIs, PostgreSQL, SQL, Rust, Swift, shell scripting.
Machine Learning & Vision: PyTorch, TensorFlow, YOLOv8, OpenCV, CNNs, ResNet, quantized model deployment.

EDUCATION

- B.E. Computer Science & Engineering — R V College of Engineering (VTU)** Dec 2021 – Aug 2025
Bengaluru, India First Class

PUBLICATIONS

- EduConnect: A Smart Solution for Streamlined School Administrations** — Springer ICTIS 2025, Bangkok (ICT for Intelligent Systems, Vol. 9).
- An Empirical Study of ResNet50 Hyperparameter Tuning for Plant Disease Classification** — IEEE Xplore, Nov 2024.
- Web-Server Controlled Rover with Robotic Arm and Object Detection** — IEEE Xplore, Nov 2024.
- Two further papers under review.