

Mohit Bhimrajka

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PROFESSIONAL SUMMARY

Forward Deployed AI Engineer specializing in the architecture and deployment of enterprise-scale Generative AI systems. Bridging the gap between experimental AI research and production reality, I combine a "Customer Zero" mindset with deep technical expertise in the Google Cloud ecosystem (Vertex AI, Gemini, Google ADK). Proven track record of accelerating product lifecycles by 4x and securing major commercial engagements by translating complex AI primitives into secure, high-ROI business solutions.

CORE SKILLS

- Languages & Frameworks:** Python, PyTorch, TensorFlow, FastAPI, Flask, React/TS, Docker
- Generative AI & LLMs:** Vertex AI, Gemini, Llama 3, Google ADK, LangChain, RAG Pipelines
- Data & Infrastructure:** PostgreSQL, MongoDB, BigQuery, Vector Databases (FAISS/Pinecone), Data Pipelines
- Cloud & DevOps:** GCP (Vertex AI, GCS, Cloud Run), CI/CD (GitHub Actions / Jenkins), System Orchestration
- Core Competencies:** AI Systems Architecture, Technical Leadership, Product Strategy, Rapid Prototyping

PROFESSIONAL EXPERIENCE

SUPERVITY, Mumbai, India

Forward Deployed AI Engineer (Full-Time)

April 2025 – Present

- Customer Zero & Technical Strategy:** Served as the primary technical lead for a \$1M+ engagement with KDP. Partnered directly with executive stakeholders to design a scalable AI architecture, effectively bridging the gap between client business requirements and Vertex AI capabilities, directly contributing to deal closure.
- Rapid Prototyping Engine:** Architected a modular micro-agent framework that reduced the idea-to-production lifecycle from 14 days to under 5 days. The framework now powers 10+ public-facing agents, enabling rapid iteration based on real-time user feedback.
- Enterprise Production Engineering:** Designed and deployed enterprise "Command Center" products integrating RAG pipelines with complex ERP systems (SAP, Coupa). Managed full-stack implementation including containerization via Docker and enterprise-grade authentication using Keycloak.
- Technical Leadership:** Led and mentored a squad of junior FDEs, establishing code review standards and architectural guidelines to accelerate team velocity and delivery quality.

SIEMENS AG, Mumbai, India

GenAI Intern

May 2024 – Jul 2024

- Logistics Automation:** Engineered "FactoryGPT," a Llama 3 and FAISS-powered logistics assistant for plant operations. Optimized retrieval accuracy to reduce document lookup time by 85% for 120+ active users.
- Route Optimization:** Designed and integrated a Dijkstra-based route optimizer with Google Maps APIs, achieving a 20% reduction in fleet mileage through intelligent pathfinding.

SELECTED PROJECTS

AIVA (Real-Time AI Interview Coach) | Next.js, FastAPI, Vertex AI, WebSockets, GCP Cloud Run

[\[Github\]](#)

- Architected a latency-critical GenAI platform integrating **Speech-to-Text and LLMs** for real-time, voice-driven mock interviews.
- Designed an event-driven architecture using WebSockets and Docker on **Serverless Cloud**, achieving **<500ms** end-to-end latency for conversational flow.
- Implemented a privacy-first "Edge AI" approach using **MediaPipe.js**, performing facial analysis on the client-side to ensure raw video data never left the user's device.

Project Agora (Agentic Expert System) | Vertex AI, Google Multi-Agent Systems, BigQuery

[\[Github\]](#)

- Developed a hierarchical multi-agent framework from the ground up using the **Google Agent Development Kit (ADK)** before public adoption.
- Engineered a system to automate complex development workflows, including visual diagramming and code generation, demonstrating the ability to build with emerging Foundation Model tools.

LEADERSHIP & COMMUNITY IMPACT

Lead, Code Vipassana (Google Cloud): Guided & Mentored over 600+ developers at the Google "Build and Blog" Marathon in Bangalore. Provided technical mentorship on GenAI implementation and cloud architecture.

President, Technical Student Council (ATLAS SkillTech University): Led technical initiatives and hackathons for the student body.

EDUCATION

ATLAS SkillTech University, Mumbai, India

Bachelor of Technology, Computer Science (AI & ML) | CGPA: 9.01/10.00