Aadhityaa S B *AI Developer*

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📇 Profile

Passionate and results-driven Software Developer with 4+ years of experience in building and deploying AI/ML and Generative AI solutions at enterprise scale. Skilled in LLMs (GPT, LangChain, Hugging Face), multimodal AI, GANs, Transformers, and custom LLM development. Proven expertise in delivering scalable AI applications on AWS, GCP, and Azure, including pipelines, multi-agent systems, and automation frameworks. Led AI initiatives for global clients like Unilever, powering applications used by 20M+ daily users and driving up to 65% efficiency gains. Adept at translating complex ideas into practical, business-driven solutions.

🧠 Technical Skills

Generative AI (LLMs)
- **OpenAI (GPT-4, ChatGPT)** - **Hugging Face Transformers** - **LangChain** - Gemini API - Llama - **Custom Models** - GPT - BERT - T5 - **Vertex AI** - and fine-tuned LLMs.
- **Retrieval-Augmented Generation (RAG)** Custom chatbots - multi-agent workflows - API-integrated conversational systems
- **RAG Chatbots** - Agentic Chatbots **Diffusion models** - DALL·E - **Stable Diffusion** - **Whisper AI** - voice-to-text systems - generative audio tools
- Developed and maintained end-to-end **MLOps pipelines** for managing LLM deployment lifecycles- Serverless architectures for AI applications using AWS Lambda.
- Building scalable **microservices** for AI workflows using Flask/FastAPI.
- **LangChain** - **OpenAI API** - Ollama - **Prompt Engineering** - **RAG pipelines**
- **Vertex AI** - **AWS Bedrock** - **AWS Sagemaker** - NVIDIA NIM
- Model Deployment - CI/CD for LLMs - LLM Pipelines - full stack AI development

AI Tools & Libraries
- TensorFlow - PyTorch - Scikit-Learn - Keras - NumPy - Pandas - Matplotlib
- Seaborn - NLTK (Natural Language Toolkit) - OpenCV - XGBoost
- Gradio - Machine Learning Algorithms - Computer Vision
- Natural Language Processing - Generative AI and LLMs - Hugging Face
- Vertex AI - Lang Chain - Transformers

Programming Languages
- Python - JavaScript - TypeScript - Solidity - Go lang - API integration

Cloud Services
- Google Cloud - Amazon Web Services

Operating Systems
- Linux - Ubuntu - Fedora - Windows - IOS - Debian

Project Management and Collaboration
- GitHub - Jira - Bit Bucket - Git Lab

Containerization and Operations
- GitHub Actions - Helm - Docker - Kubernetes

Robotics Skills & Other Tools
- Blockchain - Hyperledger fabric - R3 Corda - Ethereum
- IPFS - Cosmos
- Ansible - Arduino - Raspberry Pi - Hyperledger - X Code
- PLC board, Embedded systems, 3D printing, Robotics, Manufacturing, Arduino, Microcontroller, sensors etc.

Leadership & Communication Skills
- Led cross-functional teams to deliver AI solutions within deadlines

🔖 Certificates

- IIT Kharagpur AI/ML
- Remark skills Data Science
- Certified Block-chain Developer

🎓 Education

MBA (Logistics and supply chain), *Anna University Correspondence*
05/2023 – 12/2024 | Chennai

B.E. Mechanical Engineering, *Vel Tech High Tech Dr RR and Dr SR Engineering college*
05/2017 – 05/2021
600082, Chennai
Completed Engineering with 7.6 CGPA.

12th Std(CBSE),
Velammal Vidhyashram
05/2014 – 04/2017 | Chennai
Completed 12th st with 80% in CS group

🎖 Awards

DST Funding, *Gov. of India*
Successfully completed 1 funded project issued by the Department of Science and Technology (DST) worth Rs.8 lacks in the field of waste management.

ESVC 2019, *ISIE India*
Team Leader of ESVC & Completed Electric car in 2nd year for ESVC championship and won the future award.

HIT'sathon, *Hindustan University*
Won 1st HIT'sathon and received Rs.25,000 as cash price

💼 Work Experience

AI developer(Senior Consultant) EY India Ltd.
03/2025 – Present | Bangalore
- **Leading AI initiatives for Unilever**, designing and deploying enterprise-scale AI solutions, including agent-based systems, multimodal pipelines, and API integrations.
- **Developed intelligent agents and multi-agent frameworks** for automation, decision-making, and multimodal problem-solving, improving operational efficiency by **65%**.
- **Architected and deployed GenAI solutions on Google Cloud Platform (GCP)** using **Apigee, Vertex AI, GenAI pipelines, Cloud Run, and BigQuery**, powering applications used by **20M+ daily users**.
- **Implemented AI/ML solutions on AWS** with **SageMaker, Bedrock, Agent Core, and custom agent-based architectures**, reducing processing latency by **40%** for business-critical workloads.
- **Delivered enterprise AI systems on Azure** with **Azure OpenAI, Pipelines, DevOps, Key Vault, WebApps, and Databricks**, integrated seamlessly across **GCP and Azure ecosystems**.
- **Built and optimized CI/CD pipelines** across **Azure DevOps and GCP**, accelerating release cycles by **35%** while ensuring secure, reliable, and scalable AI application deployments.

AI Developer, *Camu*
05/2024 – 03/2025 | Chennai
- Introduced AI to **Camu**, a campus management platform with **10M+ daily users** across 12 countries, deployed on **AWS & GCP**.
- Engineered **RAG chatbots and agent-based workflows**, improving module navigation speed by **70%** for **5M+ users**.
- **Led a team of 5 UI developers** integrating AI-API backends with frontends, driving faster delivery and smoother workflows.
- Spearheaded **cloud migration**, cutting operational costs by **30%** and reducing latency by **60%** in real-time AI processing.
- Built a **multi-agent CLI tool** analyzing 1000+ code files and generating Swagger APIs, boosting developer productivity.
- Designed a **Multi-Agent Orchestrator**, increasing chatbot efficiency and user-specific interactions by **70%**.
- Deployed **LLM pipelines with AWS SageMaker**, streamlining AI integration from **45 mins to 15 mins**.

Software Developer, *CLAR TECHNOLOGIES PVT LTD*
05/2022 – 05/2024 | Coimbatore
- **Led a cross-functional team of 10+ engineers**, providing mentorship, technical leadership, and project oversight to ensure on-time delivery within strict deadlines.
- **Built a multi-tenant SaaS platform** and an **internal developer portal**, improving developer efficiency by **50%** and enhancing service monitoring across multiple teams.
- **Engineered a deep-tier supply chain financing platform** using **Cosmos SDK, CosmWasm, and IBC**, enabling secure cross-chain transactions; currently advancing **blockchain supply chain solutions in Go**.
- **Automated deployment with Ansible**, orchestrating **800+ VMs** in private data centers, improving deployment reliability and reducing manual effort by **70%**.
- **Developed a custom AI model** for AR object detection and projection, while contributing to the **design and implementation of scalable AI infrastructure**.
- **Collaborated with HR in recruitment**, conducting interviews and technical evaluations to grow and strengthen the engineering team.

👥 CONTRIBUTIONS

Public Speaker
2022 – present
- Speaker at Asia's Largest AI conference 2024 **TechX conf.**
- Participating as a **Speaker in tech conferences, Organising and Hosting** events.
- Took multiple sessions as a Speaker in **50+ Meetups including TechXconf(Asia's Largest AI conference), Elastic Meetup Chennai, AICamp Meetup, Global AI Meetup,** and much more.
- Actively writing **tech blogs** about **AI, Generative AI, Blockchain, Cloud, and DevOps.**

📂 Projects

Bio Combin
05/2018 – 08/2020
Completed and patented Bio-Combin. An organic converter machine that converts wastes into manure quickly and gained funding from DST under TN startup funded 8 lack rupees and was managing a team of 4 people. brought together and founded a startup company named Fearless Thinkers. Its idea is to separate all types of wastes with AI integrating with mechanical engineering.

Custom AI model
Developed a custom AI model to detect objects integrated with Raspberry Pi to make it handy and that can be implemented in many locations to detect number plates ambulances and vehicles in huge traffic. and also generated API endpoints to do further processing.

Fine Tuning BERT model
Added custom datasets and logs of blockchain-based projects and documented errors faced in the process of development and its solutions also. Used only for internal purposes.

✏️ Declaration

I declare that all the details furnished by me are true and best to my knowledge and I hereby implore that my application may be considered and given a chance to grow mutually under your guidance

Aadhityaa SB
Chennai