



Gowtham B C

[\(Visit Website\)](#)

Wilhelmshavener str., 10552 Berlin | +49 17667460202 | Visa: Permanent Resident | bcgowtham17@gmail.com | Relocation: Throughout Germany | Start job: 2 Week notice | **German: B2** | English: C1 |

Professional Summary

Artificial Intelligence Engineer Team Lead with 6.5+ years of expertise in cloud-based platforms, AI integration, and Deep learning Models applications (LLM) for real-world use cases. Developing tools & infrastructure scalable **AI / ML pipelines and working with text and image datasets generation and model training, production deployment using Azure**. Strong proficiency in Python, hands-on experience in React, PostgreSQL, Azure DevOps & Pytorch, TensorFlow for AI development OpenCV, Transformers. Strong background in Natural language processing, and deep learning architectures like BERT, GPT 3, GPT 4, Llama & vision transformers. **TÜV Süd certified ISO AI/ML auditor** for responsible Data governance & Compliance. **Won the “2021 Hof city Best Thesis Award”**.

Professional Experience

Data science & AI Engineer Team Lead (LLM, ML, Generative AI)

Solventum OPC private limited – Berlin, Germany

August 2024 – Present

- Developed **scalable and secure backend for LLM architecture** for industrial **application** cases for using pretrained LLM's on custom collected dataset from various databases. (text, image)
- Through Agile methodology built a platform for Retrieval-Augmented Generation (RAG), agents, and prompt engineering strategies, improving response time by **25% for production deployment**.
- Created automated **CI/CD pipelines using Azure DevOps**, improving deployment efficiency by 40%
- Managed team members with training sessions: knowledge sharing, technical excellence in solution deployment, architecture planning, system design sessions, problem solving algorithms, software engineering best practices, evaluations Benchmarking, technical documentations, code reviews.

Mid Senior Applied AI Scientist

IISYS Institute – Hof, Bayern, Germany

(Wissenschaft Mitarbeiter)

October 2021 – July 2024

- Collaborated with teams to integrate Generative AI models into scalable, real-world applications for manufacturing automobile products for 2100+ text and image categories on Google Cloud Platform.
- Implemented Fine tuning of transformers models and evaluation for task-specific performance.
- Developed User friendly user interface dashboard for Google Document AI for structured data from unstructured documentsstack processing workflows with data privacy regulations GDPR, HIPAA.

Senior Machine Learning engineer

CGI & Mindtree – Bengaluru, India

(Senior Software Engineer)

July 2017 – February 2020

- Azure Chatbot: As **Early adopters**-built data pipelines for multimodal creation of text dataset, Customer recommendation system incorporating sentiment analysis & entity recognition.
- Developed a secure, scalable backend using python and SQL for a real-time project monitoring system UI UX Designs and chatbot multi agent systems as priority on Azure cloud platforms.

- Integrated continuous monitoring with cloud services, ensuring seamless data flow and advanced analysis and optimization for software development for production environments.

Education

M.Sc. Master's in Applied research in Computer Science

Hochschule Hof – Hof, Germany

Graduated: September 2021

Thesis: **Qualitative Analysis of 3D reconstruction of objects” sensor fusion of RGB & Depth lidars**

B.E. Bachelor's in computer science & engineering

Visvesvaraya Technical university – Bengaluru, India

Graduated: July 2017

Skills

- **Programming Languages:** Python, Bash, MongoDB, SQL, C++ **Deployment:** Docker, Kubernetes
- **Front End:** HTML, Javascript, Node.js, ReactJS, ExpressJS Rest API's, FastAPI
- **CI/CD pipelines:** AWS, Google Cloud Platform, Jenkins, Terraform,
- **AI Frameworks:** Tensorflow, Pytorch, Keras, Huggingface, Numpy, Pandas, YOLO, OpenAI
- **LLM's:** Transformers, LLaMa 3, BERT, GPT 3, GPT4, Mistral, Langchain
- **Collaboration Tools:** Scrum, Agile workflow, Firebase, MLOps, **Version Control:** Jira, Git, Github,
- **Development:** Parallel Threads, CUDA, Distributed Training, Design principles, Agile Development
- **Languages** (written and verbal communication skills): **German (B1), English (C1)**

Research Paper Publications

- Buvalli Chikkathammaiah, Gowtham & Prakash, B.. (2019). **I3 Bot: Empowering Small and Medium Scale Enterprises with Machine Learning**. International Journal of Scientific and Research Publications (IJSRP). 9. p90108. 10.29322/IJSRP.9.06. 2019.p90108.
- Buvalli Chikkathammaiah, Gowtham (2022) **Creation of the 2D synthetic dataset and Transfer learning for Custom object detection** International Journal of Scientific and Research Publications (IJSRP). 9. p93108. 10.24552/IJSRP.9.06. 2022.p50206.
- Buvalli Chikkathammaiah, Gowtham (2021) **3D Human Pose estimation Avatar control in Virtual Reality** International Journal of Scientific and Research Publications (IJSRP). 7. p92113. 10.24552/IJSRP.9.06. 2021.p99550.

Certifications

- **Microsoft Certified: Azure AI Fundamentals**
- **Professional Scrum Product Owner I Certification**
- Data Security: **Information Security Management System based on ISO/IEC 27001:2022**
- Data handling: **EU General Data Protection Regulation (GDPR)**