



München, DE | <https://anilkul98.github.io>

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ANIL KUL

Senior AI/ML Engineer specializing in production-scale LLM applications and multi-agent systems. Proven track record deploying AI solutions serving 3000+ active users with measurable improvements in accuracy and efficiency. Expert in RAG architectures, agentic workflows, and end-to-end ML pipelines.

EXPERIENCE

SENIOR AI / ML ENGINEER

PWC | Munich, Germany

05.2025 – Present

- PWC Internal Chatbot Development - 3000 Active User
- Responsible for AI module development:
 - Improve Data Ingestion Pipeline: + 20% on answer correctness.
 - Agentic Retrieval - Applied ReAct framework for retriever: + 14% in retrieved context accuracy.
- Technologies: Azure Services, LangChain, LlamaIndex, transformers, Docstring, Grafana, Airflow, Langfuse

AI / SOFTWARE ENGINEER

SAP SE | Munich, Germany

03.2022 – 05.2025

- A multi-agent chatbot is implemented to chat with organizational databases. (Implemented Agents: Planner, Code Generator, Text2SQL, Final Answer Generator) Technologies: (Langchain, Azure, Streamlit)
- Application Log Dashboard: Unsupervised Classification Application Logs, Application Log Summarization, Root Cause Analysis, Databricks Dashboard for Developers.
 - 1 M+ daily app logs, 40+ app log visualization, reduced log processing time 40%
 - Built LLM-powered summarization and root cause analysis tools for developers
- Bringing AI into the Datalake Department by PoCs. PoCs are developed and presented to the management on RAG, Multi-Agentic workflows, data ingestion, GraphRAG topics.

ML ENGINEER - WORKING STUDENT

Avantgarde | Munich, Germany

11.2021 – 03.2022

- Online facial expression from camera input. Age, gender, and emotion detection models are trained, optimized, and deployed. Different models and datasets are tested and compared to achieve an optimal combination.

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ML ENGINEER

Dcipher Analytics | Istanbul, Turkey

03.2021 – 11.2021

All projects are implemented from scratch including data cleaning, training, and testing.

- Biodiversity Detection From Satellite Images: The project aims to detect high biodiversity areas from satellite images that are taken from Sentinel2 API. A segmentation model trained on satellite images is delivered.
 - Acute Otitis Media Diagnose: The otoscope videos are used for training. Worked with Autoencoders and clustering for frame selection from videos. The final product is a video classifier for disease diagnosis. ([Academic Paper](#))
 - Tooth Decay Diagnose: The bitewing X-rays have been used for training. Decayed teeth and the areas are determined with the help of DL classifiers and class activation maps. A basic UI application is delivered which makes it possible to upload X-rays and get the diagnosis about all teeth in the X-rays.
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EDUCATION

TECHNICAL UNIVERSITY OF MUNICH - GERMANY

MS in Computer Science, Major in Software Engineer, Minors: ML, Computer Vision

Graduation: 10.2023, GPA: (1.9 German System, 3.1 in American System)

Koc UNIVERSITY - ISTANBUL, TURKEY

BS in Computer Engineering

BA in Business Administration

Graduation: 12.2020, GPA: 3.31 / 4.0

Graduation: 06.2021, GPA: 3.31 / 4.0

PROJECTS

- Text Guided 3D Shape Manipulation: It is a GAN application. Pre-trained DeepSDF model is used as a generative model. With the help of the Clip model the textual feedback is gathered and with latent code manipulation target 3D shape is generated. [GitHub Link](#)
 - Multiple Object Tracking: Pre-trained FastRCNN is used for human detection and GNNs are trained for the tracking. The MOT16 dataset is used for implementation. [GitHub Link](#)
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SKILLS

- Generative AI: Langchain, OpenAI APIs, Multi-agent chatbots, Pydantic, Hugging Face model fine-tuning
 - Machine Learning: PyTorch, TensorFlow
 - Data Engineering: PySpark, Databricks, Pandas, SQL
 - Software: Python, Java, JavaScript, React, FastAPI, Flask, Spring Boot,
 - Deployment & Orchestration: Docker, Kubernetes, Databricks Workflows
 - CI CD: Git, GitHub, Jenkins
 - Cloud Technologies: AWS: Lambda, Sagemaker, EC2, S3, DynamoDB. GCP: Cloud Storage, BigQuery, Cloud Run, Firestore.
 - Project Management Tools: Jira, Notion, Confluence, Trello
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