

ANURAG PARIDA

AI-focused engineer with 3 years of experience across Mercedes-Benz, startups, and academia. Focused on LLM-based search, data engineering, and scalable full-stack systems. Skilled in Python, SQL, TypeScript, and RAG.

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EDUCATION

Technische Hochschule Würzburg-Schweinfurt

Bachelors of Engineering in Robotics

10/2022 - Expected: 10/2025

Relevant Coursework: Deep Learning, ML, Image Processing, 3D Vision, Speech Recognition and Synthesis

EXPERIENCE

Bachelor Thesis, Mercedes-Benz Group AG

AI and Data Engineering

04/2025 - Present

Stuttgart, Germany

- Researching radical standardisation in corporate software development via **LLM-based similarity search**.
- Designing an intelligent artifact search engine to cut **duplicate internal app proposals** and accelerate planning cycles within the company.
- Building vector-based retrieval pipelines using **OpenAI SDK, pgvector, BERTopic, HDBSCAN, and TF-IDF**.
- Developing evaluation framework (**Precision@k, MRR, nDCG**) to measure similarity search performance and clustering quality.

Intern, Mercedes-Benz Group AG

Data Science and Engineering

10/2024 - 03/2025

Stuttgart, Germany

- Built a developer performance dashboard for **8,000+ engineers and executives**, improving bug resolution speed tracking in the new MB.OS department (next-gen operating system for Mercedes vehicles).
- Aggregated data from **PowerBI, Jira, and vehicular telemetry** into Grafana-based monitoring portal under a new governance model.
- Delivered a working prototype adopted internally for evaluation before later project direction changes.
- Used **TS + React, Python + Flask, Databricks and Azure**.

First Employee, Zepto (KiranaKart, YC SS21)

Product and Engineering

11/2020 - 02/2021

Mumbai, India

- Built the **MVP** systems and customer-facing apps using **React Native and Python**, launching in under 8 weeks.
- Conducted **50+ field interviews** to validate market fit and iterate product design with the founding team.
- Scaled to **100K+ downloads**, forming the technical basis for raising **\$60M+ funding**; Zepto later became a unicorn.

Other Experience: Research Assistant at THWS (2023-2024) and Freelance Full-stack Developer (MERN/React Native), built apps for 5+ clients including an Indian e-bike manufacturer (2020–2022)

SKILLS, LANGUAGES & HONORS

Skills

Python, Typescript, SQL

MERN Stack (Mongo, Express, React, Node)

LangChain, **Vector DBs, NLP, LLMs & RAG**

REST APIs, Azure, Databricks, Docker, Kubernetes

Languages

English (C2, native)

German (B2 – full working proficiency,

actively improving)

Honors & Awards

Google Code-in Grand Prize (1/3124, got flown out to Google HQ)

HackHarvard Finalist (Top 3/500+, invited by **Alibaba Tianchi**)

International Linguistics Olympiad Camp Medalist by **Microsoft** (2019)