

VISHAL KATARIYA

AI · ML · SWE / CS STUDENT AT H_DA

vishalkatariya404@gmail.com
github.com/vkkatariya
linkedin.com/in/vkkatariya
vishalkatariya.dev

DIEBURG · GERMANY

AVAILABLE FOR INTERNSHIPS

ML ENGINEERING · FULL-STACK · INFRASTRUCTURE

EDUCATION

HOCHSCHULE DARMSTADT · GERMANY

B.Sc. Computer Science

Oct 2024 - Expected 2028

Algorithms & DS OOP Math for CS

Architecture Database Systems

Operating Systems Software Engineering

Networks

LANGUAGES

Deutsch B2-C1 ●●●●○

English C1-C2 ●●●●●

Hindi Native ●●●●●

Gujarati Native ●●●●●

INTERESTS

Programming Artificial Intelligence

Cricket Entrepreneurship

TECHNICAL SKILLS

Python	86
Docker · Linux	82
ML / AI	72
TypeScript	68
Proxmox · ARM	64
SvelteKit	60
C++	52

BACKEND & INFRA

Fastify WebSocket REST API PostgreSQL
Drizzle ORM Docker Caddy Tailscale
Proxmox VE KVM ARM64

AI & ML

QLoRA fine-tuning Unsloth Ollama
LLM inference Hugging Face rklama (NPU)
PyTorch GGUF

FRONTEND

SvelteKit TypeScript Chart.js
Vanilla CSS Responsive Motion One

SOFT SKILLS

Problem-solving Research Documentation
Teamwork Technical writing Systems thinking

PROJECTS

Finance Buddy

Personal finance tracker built on 993 real transactions. Tailscale-only — never touches the public internet.

SvelteKit Fastify PostgreSQL Drizzle Chart.js

Homelab Dashboard

Realtime ops dashboard for a 2-node Proxmox cluster. Live CPU/RAM/network via WebSocket.

Fastify WebSocket Docker Tailscale

TypeShift

Cross-platform AI writing assistant with collaborative editing across macOS, Windows, and Android.

Kotlin Swift C# AI

orlon-bot

Telegram bot with QLoRA fine-tuned LLM. Trained on Kaggle T4 GPU, deployed to ARM NPU (rklama).

Python Unsloth QLoRA Telegram