

ANSHUL CHAHAR

AI & Software Engineer



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⬇ Github ⬇ Portfolio

PROFILE

Software Engineer with 2+ years of professional experience working part-time in AI/ML and Full Stack development. Proven track record of balancing full-time university studies with contract engineering roles. Expert in Python, NextJS, and building agentic workflows, with a strong focus on data-driven solutions and accessibility & security compliance.

SKILLS

Programming Languages - Python, Java, Typescript, Javascript

Frameworks & Web - NextJS, React, PostgreSQL, Supabase, Langchain, LangGraph, TailwindCSS, Jest, Cypress

AI/ML - PyTorch, NumPy, Pandas, Scikit-learn, RAG, Matplotlib.

DevOps & Tools - CI/CD, Docker, Git, CodeQL, Google Cloud, MCP

Languages - German: Full Professional Proficiency, **English**: Full Professional Proficiency

EDUCATION

Technische Universität Darmstadt | B.Sc. Informatik

10.2021 – 11.2025 | Darmstadt, Germany

Bachelor Thesis: A Critical Evaluation of Secure Code Generation Benchmarks for LLMs.

Analyzed 1,900+ test cases across 5 datasets using CodeQL.

PROFESSIONAL EXPERIENCE

Accessible Minds | AI/ML Engineer - Working Student ↗

08.2023 – 10.2025 | Sheridan, USA (Remote)

- Architected a stateful multi-agent workflow using LangGraph and LangChain to automate comprehensive website accessibility compliance testing.
- Integrated the automated testing framework into the CI/CD pipeline, achieving a 27% reduction in manual validation overhead.
- Engineered data pipelines to curate and preprocess datasets for fine-tuning Vision-Language Models, enabling the generation of high-precision accessibility reports and shifting to a rapid human-in-the-loop verification process.

Freelancer | Full Stack Developer

02.2022 – 08.2023 | Darmstadt, Germany

- Delivered end-to-end web applications for diverse clients, specializing in NextJS(React) & TS/JS.
- Managed the complete software lifecycle from requirements gathering from clients to deployment, ensuring scalable and responsive designs.

Code Variac Pvt. Ltd. | Python Developer (Intern)

09.2020 – 11.2020 | Ghaziabad, India

- Developed and deployed a customer-facing chatbot for an EPC client, improving user engagement and automating initial inquiry handling.
- Increased test coverage significantly from 65% to 88% by implementing rigorous unit and integration testing protocols.

PROJECTS

Kraken WebUI | Atoms-Photon-Quanta - TU Darmstadt | Full Stack Developer ↗

10.2024 – 03.2025

- Developed a configuration interface for quantum sensors, reducing researcher setup time by approx. 40%.
- Designed robust database schemas achieving 100% compliance with data integrity standards.
- Built a GitHub Actions CI pipeline to automate testing and deployment, significantly reducing manual overhead.

Space + MOC Model for Atari Games | AI/ML Lab - TU Darmstadt | ML Researcher

07.2024 – 12.2024

- Implemented the Space + MOC object detection model, achieving an 18% increase in accuracy over the baseline.
- Optimized classifiers to secure a 12% higher F1-score and fine-tuned the model for improved precision in dynamic environments.