



# ROHAN DHANAWADE

*Machine Learning Engineer with 5+ years of software experience building cloud-native data pipelines and AI-driven applications. Currently pursuing an M.Sc. in Big Data & AI in Berlin and developing end-to-end ML projects using Python, Azure, and modern MLOps tools.*

## WORK EXPERIENCE

- 06/2022 – 09/2024 **Software Engineer**  
**Metron Security Pvt. Ltd. Pune, India**
- Built Python pipelines for log ingestion from Cisco, WatchGuard, ServiceNow, Snowflake.
  - Integrated AWS S3, Azure, Pub/Sub for cloud data flows.
  - Created Logstash/OPAL parsers for JSON/CSV normalization.
  - Delivered on-prem & cloud deployments with full documentation.
  - Built internal Slack/Jira automation tools.
- 06/2019 – 06/2022 **Systems Engineer**  
**Tata Consultancy Services Pvt. Ltd. Pune, India**
- Resolved global Teamcenter issues via ServiceNow.
  - Performed UAT → Production data migrations.
  - Enhanced internal CRM Android app for GE sales teams.
  - Supported release testing and validation.
  - Conducted root-cause analysis for production issues.

## EDUCATION

- 10/2024 – 03/2026 (Expected) — **SRH Berlin University of Applied Sciences Berlin, Germany**
- Master of Science (M.Sc.), Computer Science - Big Data & Artificial Intelligence**
- Coursework: ML, Big Data, Cloud Computing, IoT, Generative AI
  - Thesis (in progress): “*Conversational AI System for Symbolic Guitar Strumming Pattern and Chord Progression Generation.*”
- 08/2015 – 04/2019 **Savitribai Phule Pune University — Pune, India**
- Bachelor of Engineering, Computer Engineering**
- Graduated with CGPA: 8.04/10
  - Project: *Smart Pill Box (IoT + Android + Firebase application for medication reminders)*

## ABOUT ME

Date of Birth: 04.10.1997

Address: Dröpkeweg 2A,  
12353, Berlin, Germany

Phone: +49 17680019675

Nationality: Indian

Email :  
[rohan.dhanawade97@gmail.com](mailto:rohan.dhanawade97@gmail.com)

Website: <https://rohan-dhanawade.de/>

Linkedin:  
<https://www.linkedin.com/in/rohan-dhanawade-25a616142/>

Github:  
<https://github.com/rohand575>

Work Authorization: Student  
Residence Permit (eligible for  
full-time after studies)

## LANGUAGES

German – A2 (Learning)  
English – Fluent  
Hindi – Native

## CERTIFICATIONS

- OCI AI Foundations Associate (Oracle)
- Introduction to Model Context Protocol (Anthropic)
- MTA: Security Fundamentals (Microsoft)
- German A1 (Goethe)

## PERSONAL INTERESTS

- Guitar
- Fitness
- Videography & Editing
- Traveling

## TECHNICAL SKILLS

- Programming Languages: Python, C++, R, Rust (learning)
- Databases and Storage: MySQL, Redis
- Data Processing & Pipelines: Logstash, Snowflake
- Core Competencies: Data Structures & Algorithms, Security Integration & REST API Development, Agile Development & Team Collaboration, unit testing (pytest/unittest)
- Cloud Platforms: AWS(EC2 and S3), Azure
- Others: Docker, ServiceNow, Slack API, Jira API Development
- Tools: Git, GitHub Actions (CI/CD basics)
- Platforms: Linux, Windows, macOS
- Soft Skills: Team Player, Adaptability & Flexibility, Critical Thinking & Problem-Solving, Leadership & Communication

## PROJECTS

### PDF Chatbot - LangChain + FAISS + Streamlit

Built an AI-powered chatbot that extracts answers from uploaded PDFs using vector embeddings and retrieval.

- Implemented FAISS for fast semantic search
- Used LangChain for chunking, embeddings, and query routing
- Designed a clean Streamlit UI for interactive PDF querying

### AI Reel Generator Web App

Created a lightweight platform for generating Instagram-style reels using automated template rendering.

- Built the frontend with HTML/CSS/Bootstrap
- Integrated automated video composition logic
- Focused on simplicity, speed, and template-based editing

### Zen Engineering Company Website - Next.js + Vibe Coding

Developed a professional business website using modern React tooling and subtle Vibe Coding for UI styling.

- Implemented custom components, animations, and clean layout
- Ensured responsive design and fast load performance
- Integrated domain + GitHub Pages hosting

### House Price Predictor - End-to-End ML Deployment

Developed a full ML pipeline for predicting house prices with cloud deployment.

- Trained a regression model (RandomForest) with preprocessing
- Containerized the API using Docker and deployed on Azure
- Added monitoring, logs, and scalable hosting setup.