

Anuj Nair

Software Engineer

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Python Developer with **4 years** of experience in backend development, automation, data engineering, and machine learning. Proficient in **Python, SQL, PyTorch, Docker, GitLab** and **AWS**. Passionate about writing efficient code and solving complex problems. I actively explore emerging tools and techniques through personal projects and continuous learning, staying ahead in a fast-evolving field.

EXPERIENCE

- **Infiniteon Technologies**|Munich, Germany **Jun 2023 – Present**
Working Student: Automation and Data Analysis
 - Built automation scripts to perform tasks in **Jama** and Product Life cycle Management (**PLM**)
 - Built **Dashboards** to plot **Real-Time Data** using python
 - Built an end-to-end flask prototype for interacting with **PLM**
 - Worked on **Data Analysis** and **Data Visualization** tasks
 - Build automation pipelines using tools like **Jenkins**, and **Gitlab CI/CD**
- **Keemut**|Delaware, United States **Apr 2021 – Apr 2023**
Machine Learning Engineer (Remote)
 - Built python back-end integration with **Tesla** API.
 - Automated the machine learning pipeline and reduced the time taken by **50%**
 - Built **Machine Learning** models for vehicle price prediction on monthly basis
 - Maintained and managed **AWS** servers for python back-end and machine learning pipeline
 - Worked on **Web Crawlers** for collecting vehicle data
 - Created **Bash** and **Python** scripts for cleaning crawled data and building machine learning model
 - Created **cronjobs** to aggregate data for **Data Analytic Dashboards** and **Databases**








EDUCATION

- **M.Sc. in Data Science** **Oct 2022 - April 2025**
Friedrich-Alexander-Universität Erlangen-Nürnberg|Bavaria,Germany
Current GPA: 2.8/5.0
 - Major: Artificial Intelligence and Machine Learning
 - Master Thesis: “Development and Evaluation of a Modular Pipeline Using Advanced Deep Learning Techniques for Monitoring Manufacturing Processes Based on Time Series Data.”
 - * Developed 15 One-Class Classification and 4 Multi-Label Classification models using PyTorch Lightning and TSAI across 4 datasets.
 - * Created a two-stage approach for anomaly detection and classification.
 - Master Seminar: Presented paper “Segment Anything in Medical Images” in by Jun Ma, *et al.*
- **B.E. in Computer Science and Engineering** **Jun 2018 - May 2022**
Gujarat Technological University|Gujarat, India
CGPA: 8.93/10.0

SKILLS

- **Languages**
Python, JavaScript, SQL, L^AT_EX, Bash, Java
- **Libraries/Frameworks**
Lightning, PyTorch, Tensorflow, HuggingFace, LangChain, Pandas, OpenCV
- **Software and Tools**
AWS, Azure, Slurm, Linux, Docker, GitLab CI/CD, Jenkins

PROJECTS

- | | | |
|--|--|--|
| • LLM RAG | |  Github |
| • Amur Tiger Re-Identification | |  Github |
| • Project MNIST |  Demo |  Github |
| • A* Algorithm | |  Github |
| • Snake Game - Reinforcement Learning | |  Github |
| • Face Recognition | |  Github |

COURSE WORK

- | | |
|---|----------------|
| • Python For Everybody | Coursera |
| • Advance Your Skills in Deep Learning and Neural Networks | LinkedIn Learn |
| • Master Cloud-Native Infrastructure with Kubernetes | LinkedIn Learn |
| • Learning R | LinkedIn Learn |