

CURRICULUM VITAE

PERSONAL INFORMATION

Name	SUBRAMANIAN, LAKSHMYNARAYANAN
Address	Gundekarstrase 58, 85057, Ingolstadt, Germany
Telephone	+49 15566462237
E-Mail	arun.lsubramanian@gmail.com
Nationality	Indian
Date of birth	18/03/1998

JOBs

- ▷ Period April 2025 - Present
○ Employer **TerraOne GmbH**, Berlin/Germany
○ Designation Master's Thesis
○ Main Focus Optimizing scalable and efficient storage and retrieval solutions for high-frequency time-series data
- ▷ Period April 2024 - March 2025
○ Employer **Infineon Technologies**, Bavaria/Germany
○ Designation Working Student
○ Main Focus MLOps - Building scalable and efficient machine learning pipelines
- ▷ Period March 2024 - September 2024
○ Employer **Technische Hochschule Ingolstadt**, Bavaria/Germany
○ Designation Research Student
○ Main Focus Model integration and optimization with focus on reinforcement learning
- ▷ Period March 2022 - September 2023
○ Employer **Turbolab Technologies**, Kerala/India
○ Designation Data Engineer
○ Main responsibilities
 - Used Redis to analyze real-time data
 - Stream structured data using Apache Kafka
 - Indexing, querying and performing analysis on Elastic Engine
 - Used Apache Airflow for scheduling and orchestration of data pipelines
 - Dockerize Structured Pipelines, Organize and visualize pipeline logs with Kibana
 - Query and configure Apache Solr to set up a visual database for cassandra DB
- ▷ Period November 2020 - March 2022

- o Employer
- o Designation
- o Main responsibilities

Turbolab Technologies, Kerala/India
Python Developer

- Webscraping(Scrapy) based python development
- Pypeteer(browser based) scrapping
- Store and manage crawled data to MySQL and Cassandra DB
- Queue URL's with rabbit MQ
- Build automated data structuring through post script
- Develop API for Customer Requests using FastAPI
- Team coordinator on quick customer request projects

EDUCATION

- ▷ Period
- o Course
 - o Institute
 - o Status
 - o Areas of Interest

October 2023 - Till Now

Masters in AI Engineering

Technische Hochschule Ingolstadt, Germany

Pursuing

Machine Learning, Data Engineering/Analysis, Automation

- ▷ Period
- o Course
 - o Institute
 - o Status
 - o Areas of Interest
 - o Undergraduate Thesis

August 2016 - September 2020

Bachelor of Technology in Computer Science and Engineering

APJ Abdul Kalam University, India

Completed

Machine Learning, Data Analysis

Deep learning based automatic detection of Hate Speech in Twitter

ABILITIES

TECHNICAL SKILLS

- Programming Languages : Python, C, C++
- Build Automation Tools and Frameworks : Scrapy, Selenium, Pypeteer, BeautifulSoup, Playwright, FastAPI, Apache Spark(Pyspark), Apache Airflow, Tensor Flow, NLTK, Keras Library, SK-Learn Library
- CI/CD : Docker, Kubernetes, Git
- Database : MySQL, Cassandra DB, PostgreSQL, ScyllaDB, Elasticsearch, MongoDB
- Cloud Systems : AWS, GCP, Hetzner

LANGUAGES

English(Fluent), German(Beginner)