

# 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

- Employer
- Designation
- Main responsibilities

**Turbolab Technologies**, Kerala/India  
Python Developer

- Webscraping(Scrapy) based python development
- Pyppeteer(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

- Course
- Institute
- Status
- Areas of Interest

October 2023 - Till Now

### **Masters in AI Engineering**

Technische Hochschule Ingolstadt, Germany

Pursuing

Machine Learning, Data Engineering/Analysis, Automation

### ▷ Period

- Course
- Institute
- Status
- Areas of Interest
- 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, Pyppeteer, 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)