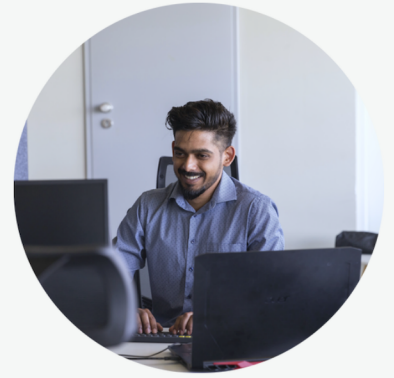


Jishnu Jayaraj



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ABOUT ME

Innovative Machine Learning Engineer with 3+ years of experience in design, development, testing and deployment of Machine learning applications. With strong foundation in the area of data engineering, AI and cloud computing technologies, I enjoy building systems that can learn and adapt from data to make intelligent decisions. Experienced in writing codes and algorithms in various programming languages as well as leading teams to translate project requirements into sustainable technical end-to-end solutions.

PROFESSIONAL EXPERIENCE

May 2021 - Present

Machine Learning Engineer, Greple GmbH, Fürth

- Architected a internal workplace transformation system, by recommending career progression paths for individuals
- Developed LLM powered chat bot service, using RAG for internal database information
- Engineered a personality prediction deep learning model based on Big Five personality traits
- Design and implement a data pipeline for crawling the web for raw data and converting to production grade quality

Apr 2020 - March 2021

NLP Intern, Rokin GmbH, Munich

- Development of trend analysis workflow, integrating unsupervised machine learning techniques to predict market movements
- Improved content categorization using topic modelling system with encoder models
- Data analytics and statistics with data visualization

Nov 2018 - Dec 2019

Werkstudent in R&D, Siemens Healthineers, Erlangen

- Co-Engineered orchestration of highly available RabbitMQ clusters to bolster message oriented middleware performance
- Shell scripting to automate routine processes
- Piloted project for automated web testing using deep neural network to simulate complex user interaction

CORE COMPETENCIES

Machine Learning

build ML solutions
NLP models
Computer Vision
Responsible AI

System Design

API development
LLM agents
vector databases
SQL and NoSQL

Programming

Python
C/C++
GPU computing
Pytorch
Apache Spark

Data Engineering

Data pipeline
Web scraping
Statistics and Visualization
Data modeling

Project Management

Leadership
Business acumen
Team management

Deployment

Kubernetes and Docker
Gitlab CI/CD
AWS/AZURE cloud
MLOps

ACADEMIC CREDENTIALS

10/2017 – 03/2021

Master-of-Science in Computational Engineering

Friedrich- Alexander-Universität (Erlangen-Nürnberg, Germany)
Grade: 1,9 / 4
Focus: Simulation, Machine learning, Paralell computing

07/2012 – 08/2016

Bachelor-of-Technology in Mechanical Engineering

Govt. Engineering College Palakkad (Kerala, India)
Grade: 7,9 / 10
Focus: Thermodynamics, 3D designing, Material science

REFERENCE

Thomas Kinkeldei: Co-Founder Rokin GmbH München
Andreas Waas: Head of software related IT service, Siemens

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Jishnu Jayaraj,
Nürnberg, 11/06/2024