Dipendra Yadav

AI RESEARCHER

Profile

Software Engineer with experience in Deep learning.
Passionate about using deep learning skills to explore solutions to real-world problems in medical domain and utilize software skills in building robust products around it.

Employment History

Software Engineer, PlanetAI, Rostock

MAY 2020 — PRESENT

Working in DevOps team with following responsibilities:

- Building CI/CD pipelines on DroneCI,
- Writing automatic End-to-End tests for Intelligent Document Analysis(IDA) software,
- Writing unit tests using PyTest & Junit for the software,
- Testing different databases like MSSQL, POSTGRES, and SQLite

Student Assistant Data Science(NLP), Market Logic Software, Berlin

NOVEMBER 2019 — APRIL 2020

Responsible to assist data scientists in the research and development of NLP tools which is used by businesses:

- to get an insight into their Natural language data,
- extract relevant information,
- store it in the most efficient way and
- be able to use the knowledge to run an insight-driven business.

Link to the letter of reference.

Master Thesis student, Planet AI, Rostock

OCTOBER 2019 — MARCH 2020

The thesis was in the R&D department of **Planet AI** researching current state-of-the-art methods of transfer learning for Deep NLP systems on rarely annotated languages**.**

Links to the Thesis research proposal, report, final review and presentation.

Internship in NLP, Planet AI

APRIL 2019 — SEPTEMBER 2019

The internship was in the Research department of PlanetAI where I was responsible for the following tasks:

- Research into the state-of-the-art Named Entity Recognition (NER) methods.
- Analysis and further development of well-known algorithms for NER.
- Improving current NER models by Multitask learning with POS and Chunking as auxiliary tasks.

Specialization Project in Machine Learning, PIA care, Rostock

JULY 2018 — MARCH 2019

worked on a project **Automatic object detection for Video-based intention recognition** which is a part of building a "Personal Intelligent Assistant (PIA)" based

on Artificial Intelligence (NLP, Computer Vision, and Speech recognition) for the health care of elderly people.

Links to the pre-thesis research [proposal](#), [book,](#) and final [presentation](#).

Education

Master in Electrical Engineering with specialization in IT, University of Rostock, Germany

OCTOBER 2017 — JULY 2020

Grade: 1.5, Link to the complete degree ([German](#) & [English](#)).

Bachelor in Electrical and Electronics Engineering, Visvesvaraya Technological University, Bengaluru

2011 — 2015

Grade: First Class with Distinction

Honours & Awards

Digital Innovation & Process Optimization, Rostock

Special award "Digitale Innovation & Prozessoptimierung" at "Inspired – Der Ideenwettbewerb in Mecklenburg Vorpommern"

Graduate and Researcher, Rostock

3rd place at "Inspired – Der Ideenwettbewerb in Mecklenburg Vorpommern"

References

Dr. Ing Kristina Yordanova from Universität Rostock

kristina.yordanova@uni-rostock.de

Francis Beeson from AstraZeneca

francis.beeson@astrazeneca.com