

Narayana Manjunath Reddy

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⚙ Skills

Programming Libraries

C++ (Fluent), Python (Fluent), R (Familiar)
PyTorch, Tensorflow, Scikit-Learn, Numpy, Pandas, Matplotlib, Plotly, XGBoost, Spacy, Prophet, Tidyverse, Shiny, Qt

Misc

CMake, Git, NSIS, SQL

🕒 Experience

Amadeus Leisure IT GmbH

Senior Software Development Engineer

Oct 2022 – Apr 2023

Aachen, Germany

- Implemented a fail safe procedure based on geo code calculation with C++ and Python
- Scaled up part of the existing data production process using Python

Fraunhofer ITWM

Scientific Assistant

Sep 2020 – Sep 2022

Kaiserslautern, Germany

- Anonymized e-mail transcripts of the client's customer service issues using Spacy
- Worked on an ensemble of Random forest, XGBoost and neural network using Tensorflow to detect fraud

DFKI

Student Assistant

Feb 2020 – Feb 2021

Kaiserslautern, Germany

- Refactored existing code and developed C++ (Qt) application for eye contact visualization
- Introduced an efficient algorithm for timestamp lookup in the application

Bosch

Senior Engineer

Aug 2015 – Jul 2018

Bengaluru, India

- Lead the development of C++ (Qt) data visualiser application and served as Scrum Master
- Reduced loading time of the tool by 80% and memory footprint by 10%
- Created a Python framework to automatically perform visual test of the application

IBM

Application Developer

Sep 2012 – Aug 2015

Kolkata, India

- Automated generation of C++ project-specific boilerplate code with Python and independently developed several application features
- Tracked and communicated the development progress as Scrum Master of the team

🔬 Machine Learning Projects

Master Thesis: CostE

2021

- Created a novel contrastive learning neural net framework in PyTorch to learn text style embeddings

Master Project: Unsupervised Natural Language Generation

2020

- Created an encoder-decoder network with attention to create a PyTorch neural net to generate text

Fuel price prediction

2019

- Performed Exploratory Data Analysis and developed Prophet model to predict fuel prices in Germany

🎓 Education

Technische Universität Kaiserslautern

Masters in Computer Science (Intelligent Systems)

2018 – 2022

Germany

Visvesvaraya Technological University

Bachelor of Engineering (Computer Science & Engineering)

2008 – 2012

India

🗣 Languages

English C1

German A2