

# Narayana Manjunath Reddy

Bangalore | nmanjunath@live.com | +91 8904836330 | manjunathnreddy.github.io/nfc/

## SKILLS

---

**Languages:** C++, Python, R, Rust, SQL

**Libraries:** Boost, Qt, PyTorch, Numpy, Pandas, Matplotlib, Plotly, XGBoost, Spacy, Tidyverse, Shiny

**Tools:** Cmake, Git, JIRA

## EDUCATION

---

**Technische Universität Kaiserslautern, Germany**

Oct 2022

- **Masters** in Computer Science(Intelligent Systems)
- **Thesis:** A contrastive framework for text style embeddings
- **Coursework:** Data Science, Deep Learning, Machine Learning, Regression & Time series

## EXPERIENCE

---

**Software Engineer**, Cerence – Aachen, Germany

Aug 2023 - Sep 2024

- Enhanced audio recognition in ASR by extending support for dynamic audio recognition configuration
- Simplified syncing of nested repositories and took ownership of custom version control system
- Integrated Generative NLP model into existing Audio Recognition System

**Senior Software Development Engineer**, Amadeus – Aachen, Germany

Oct 2022 - Apr 2023

- Created fail-safe using geocodes and REST calls, saving 30 minutes per faulty booking
- Scaled up data import resulting in 60% faster completion of data production

**Scientific Assistant**, Fraunhofer ITWM – Kaiserslautern, Germany

Sep 2020 - Sep 2022

- Anonymized over 1500 e-mail transcripts of the client's customer service issues with NLP
- Improved ML ensemble to detect fraud from 65% to 72% and created dashboard to visualize results

**Student Assistant**, DFKI – Kaiserslautern, Germany

Feb 2020 - Feb 2021

- Improved lookup algorithm from  $\mathcal{O}(n)$  to  $\mathcal{O}(\log n)$  in video synchronizer for eye contact visualization

**Senior Engineer**, Bosch – Bangalore, India

Aug 2015 - Jul 2018

- Led the development of a navigational application, as Scrum Master and Tech lead
- Reduced loading time of the application by 80% and memory footprint by 10%
- Created an automatic visual testing tool, saving 4 hours of manual testing per month

**Application Developer**, IBM – Kolkata, India

Sep 2012 - Aug 2015

- Independently designed and developed new application features
- Automated generation of project-specific boilerplate code saving the team 1 hour per month
- Tracked and communicated the development progress as Scrum Master of the team