

RAVITEJA ANUMULA NAGA

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PROFILE SUMMARY

An engineer with a passion for Artificial Intelligence and Data Science. Adept in multiple programming languages and environments. Committed to delivering innovative AI solutions that drive impact, with a proven track record of developing successful projects in the areas of machine learning, data visualization, and software engineering. Possessing excellent soft skills, including effective communication, problem-solving, and team collaboration.

EDUCATION

Deggendorf Institute of Technology and University of South Bohemia

Germany and Czech Republic

Master of Science in Artificial Intelligence and Data Science (Joint Degree Program)

Mar 2022 - present

- **Coursework:** Advanced Machine Learning, Advanced Topics in AI, Software Development and AI, Theoretical Fundamentals of AI, Data Visualization, Computational Intelligence, Distributed Algorithms, Information Theory, Math for AI and Data Science, Parallel Programming, Advance data storage and analyses

Dayanand Sagar College Of Engineering

Bangalore, India

Bachelor of Engineering in Computer Science; Overall Percentage: 72.2%

Jun 2014 - Mar 2018

- **Coursework:** Data structures with C, OOPS, Design and Analysis of Algorithms, DBMS, Computer Graphics and Visualization, Java, Computer Networks, Compiler Design, Object oriented Modeling and Design

SKILLS

- **Programming Languages:** Python, R, C, C++, C#, Vb.Net, HTML, CSS, Git, MySQL
- **Environments:** RStudio, Anaconda, Jupiter Notebook, VS code, Google Colab, Visual Studio, Eclipse
- **Soft Skills:** Communication, Product Understanding, Problem Solving, Team Player, Adaptability, Quick learner, Punctual
- **Languages:** English(Fluent), German(Beginner/A1), Telugu(Mother Tounge), Hindi(Fluent), Kannada(Fluent)

PERSONAL PROJECTS

- **Deep Learning-Based Object Detection:** The project focuses on using deep learning techniques to detect aeroplanes in images using **OpenCV** and **TensorFlow**. The dataset was annotated using **Makesense.ai**, and the models used were pre-trained **VGG16** and **MobileNetV2** with additional layers, and finally, the best model was used to detect multiple objects in new data. [[Link](#)]
- **Reviews Sentiment analysis:** is a NLP project that analyzes customer feedback to monitor product reviews. It is built using Python with libraries such as **NLTK**, **TensorFlow**, **Pandas**, **Numpy**, and **Matplotlib** using Kaggle datasets. [[Link](#)]
- **Exploring the Impact of Flooding on Vector-borne Diseases in the USA:** This project aims to perform **EDA** on the relationship between vector-borne diseases, flooding, and population in the USA using **R**. Libraries used include **Tidyverse**, **ggplot2**, **dplyr**, **plotly**, and **usmap**, with data obtained from Project Tycho. [[Link](#)]
- **IBM stock prediction:** This project aims to compare three different models for predicting IBM stock prices using RNN techniques such as a **Feed-forward Neural Network** (Sliding Window), **Recurrent Neural Network** (RNN), and **Long Short-Term Memory** (LSTM). The data used is from Kaggle. [[Link](#)]
- **IoT and Machine Learning for Accurate Stress Prediction:** An IoT-based stress detector uses heartbeats to measure a person's stress level, which is then processed with machine learning algorithms to accurately predict stress levels. [[Link](#)]

EXPERIENCE

Aptean (Enterprise Software)

Bengaluru, India

Engineer, Development

Mar 2019 - Oct 2021

- Migrated an on-premise ERP application to the cloud using a SaaS business model and transformed MS Excel operations to open-source LibreOffice. Customized the software for customer needs using inheritance in .Net Framework and built a console application using API to fetch changes from Azure, improving build generation efficiency.

Youplus Inc

Bengaluru, India

Frontend Engineer

Nov 2018 - Mar 2019

- Developed an internal Operation Portal to manually correct AI model results, leading to improved accuracy through feedback loop. Technical stack included HTML, CSS, Javascript, and Reactjs.

CERTIFICATIONS

- **Introduction to Machine Learning:** NPTEL certified [[View Certificate](#)] *Jul. 2017 - Sep. 2017*
- **Introduction to Data Analytics:** NPTEL certified [[View Certificate](#)] *Jul. 2017 - Sep. 2017*