

ATCHUTHA RAO T A

Bangalore, Karnataka

☎ [+91-6361351891](tel:+91-6361351891)

✉ atchutharaota.1si21ad064@gmail.com

in [Atchutha Rao T A](#)

🔗 [Southlaw33](#)

EDUCATION

| | |
|---|---|
| Siddaganga Institute Of Technology <i>BE - Artificial Intelligence and Data Science CGPA - 8.49</i> | 2021 - Present <i>Tumkur, Karnataka</i> |
| Vidya Vardhaka Sangha Sardar Patel PU College <i>Department of Pre-University Education Percentage - 92.83%</i> | 2021 <i>Bangalore, Karnataka</i> |
| Vidya Vardhaka Sangha Sardar Patel High School <i>KSEEB Percentage - 94.72%</i> | 2019 <i>Bangalore, Karnataka</i> |

PROJECTS

Memory management dashboard in operating systems [🔗](#) | Python,os,psutil

- Developed a Python-based Memory Management Dashboard to monitor and manage system memory and running applications in real-time. Implemented features to track application memory usage, set user-defined thresholds, and automate the termination of high memory-consuming processes.

Toxic Text Classifier [🔗](#) | Jupyter notebook,NLP

- Implemented a toxicity classification model using NLP techniques to analyze and categorize text as toxic or non-toxic. Utilized TF-IDF for feature extraction and built predictive models with Naive Bayes and SVM. Achieved high accuracy in binary classification tasks through data preprocessing and model optimization. Developed a Streamlit application for interactive testing and integrated FastAPI for API-based deployment

Energy Consumption Prediction [🔗](#) | Jupyter notebook,Tensorflow,LSTM

- Developed and implemented RNN and LSTM models using Python and TensorFlow to predict hourly energy consumption. Managed data preprocessing, including normalization, and split data into training and testing sets. Evaluated models with R^2 score, MAE, MSE, and RMSE, along with visualization of prediction effectiveness. Forecasted future energy consumption and compared actual versus predicted values for model validation.

TECHNICAL SKILLS

Languages: Python , c++

Developer Tools: VS Code, Jupyter notebook

Technologies/Frameworks: Git, Database Management Systems, Operating Systems, Data Science, NLP.

EXTRACURRICULAR

IEEE SIT SB

Event Management Lead

2023 - present

Tumkur

- * Photographia 2k24 Served as a team lead for Photographia, a sub-event of the main event IdEEEas.

CERTIFICATIONS

- Geeks For Geeks - Advanced DSA Live Training Program
- MATLAB Onramp
- MATLAB Fundamentals