

Sandeep Guthikonda

Software Engineer: Machine learning, Deep learning, and Artificial Intelligence.

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EXPERIENCE SNAPSHOT:

- Expertise in Machine Learning techniques applied to solve business problems.
- Expertise in handling unlabelled datasets using unsupervised learning approaches to arrive at relevant end points.
- Experienced with both finetuning techniques to suit custom requirements.
- Expertise in solving business problems involving the integration of NLP as well as Computer Vision techniques.
- Expertise in data wrangling and selecting best features to develop better ML models
- Expertise in working on finetuning techniques using deep learning CNN and RNN

EXPERIENCE SUMMARY:

I have more than 5+ years experience on data science and working mostly with huge volume both labelled and unlabelled data.

Experience in end to end building deep learning models using keras and TensorFlow Ann's, CNNs for image data. Experience in language modelling, vectorization /transformation of text (tfidf,word embeddings). Experience in building data-intensive applications, overcoming complex architectural, and scalability issues in diverse industries. Proficient in data modeling, data processing and applying machine learning algorithms, as well as deep learning. Capable of creating, developing ML models to translate business and functional qualifications into substantial deliverables

MACHINE LEARNING: CLOUD EXPERIENCE.

Building predictive models using Machine Learning algorithms for various business projects.

End-to-end project management, communicating with stakeholders, understanding the business requirements and delivering projects accordingly.

Worked on couple of projects on deploying ml models in Heroku and AWS EC2 instance.

Proficiency in various libraries, frameworks and tools.

Strong analytical and problem-solving skills,

Good writing and communication skills, ability to work both independently and within a team.

Hands on experience on Python programming implementations in AWS.

Building data pipelines infrastructure to support deployments for Machine Learning models, Data Analysis and cleansing and using Statistical models with extensive use of Python, Pandas, NumPy, Visualization using Matplotlib, Seaborn and Scikit packages for predictions, Xgboost.

Experience in building ML models and training neural nets (ANN, CNN, LSTM's) and deployment using FLASK and DJANGO exposing APIs for the same.

Expertise in various NLP techniques: Text generation/extraction/classification/summarization/

Expertise in handling text data for classification and summarization purpose. good knowledge in nltk library and bag of words, word2vec and tf-idf .

Worked with deep learning RNN, LSTM, Bidirectional RNN techniques and fine-tuning models like Bert, distilBert using hugging face.

Technical skills

- Programming Languages: **Python**
- Scripting Languages: **HTML, CSS.**
- Web Framework using python: **Flask, Django, Streamlit**
- Data Analysing, Data Pre-processing, Data Visualization.
- Statistical analytics.
- Machine Learning.
- Deep Learning.
- TensorFlow, Keras .
- Computer vision

Professional Experience at SocialTek

- Developed Action plans to Migrate risks in decision making while increasing Profitability by leveraging data science.
- Drive the Interaction between the Manager's to ensure active co-operation in identifying as well as defining analytical needs.
- Built predictive models with improved performance using various machine learning tool
- Experience on working health care projects and developing ml models for finding the stages of patients
- Experience on ML Algorithms such as decision tree, Random Forest, K-means, KNN, Linear Regression, Logistics Regression, PCA, SVM
- Experience on TensorFlow, Kera's Frameworks and OpenCV
- Building fine tuning models using deep learning RNN and hugging face for finding entities in news articles
- Using yolo v4 detecting the objects in live videos. developed 10 labels detected weights file using yolo v4. Checking the validation reports and performance of the model using statistical analysis.

Project Name:

Detecting the stages in healthcare using MI and DL models

- Responsible for analysing large data sets to develop custom models and algorithms to drive business solutions.
- Responsible for training the algorithms so they can be applied to future data sets and provide the appropriate recommendations in real time.
- Built learning systems to analyse and filter continuous data flows Combine data features to determine models.
- Support the entire application lifecycle (concept, design, test, release and support) Gather specific requirements and suggest solutions for continuous improvement

Project Name:

Estimating the ticket prices for passengers

- Developed and MI models for finding the prices of ticket based on past data we collected.
- Using Regression models gradient descent, RMSE, MSE, MAE validation report and developed ml models and find out good result on top5 test data.

- Role played on data cleaning and EDA part feature selection part.

My primary research interests lie in Machine Learning, NLP, Computer Vision and their applications. In my recent works, I have worked extensively on core ML techniques and application of those techniques to solve various business problems.

WORK EXPERIENCE:

January 2020 to December 2021:

AI software engineer: Socialtek AI & ML business solutions Pvt ltd

EDUCATION:

GRADE	SPECIALIZATION	CGPA/% Marks	UNIVERSITY
10TH	Mathematics Science	446	Avanthi high school
12TH	MPC	95 %	Narayana junior college
BArch	Architect	65 %	SPAVijayawada

Signature

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