SANTHOSH KUMAR BANDARU

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OBJECTIVE

I am a Passionate Tech Enthusiast having 3+ Years of experience in Python Development and Machine Learning with an interest in cloud

EXPERIENCE

Machine Learning Engineer/Python Developer   Jul 2021 - present
Tata Consultancy Services   *Hyderabad, India*

- Devised a python-intelligent loan processing application that uses Machine Learning techniques for decision making.
- Employed word embedding techniques and built Natural Language Processing(**NLP**) models for document identification and classification, allowing the application to categorize and process.
- Implemented system for user signature detection, document text extraction of specific fields (OCR), and field validation from user-uploaded PDFs.
- Created a chatbot application using Flask and integrated with PostgreSQL for a seamless user experience.
- Implemented Deep Learning models to effectively understand user queries within the chatbot, enabling it to display user data and provide interactive forms, among other features.
- Conducted several Webinars and Demos with internal T&I, sales team and customers for different RFI

Python Developer Intern   Feb 2021 - Apr 2021
Tata Consultancy Services   *Hyderabad, India*

- Developed and implemented a stock portfolio analysis system using Python and machine learning techniques.
- Helped in creating visualizations and interactive dashboards to present key insights and performance metrics to stakeholders by processing the data.

SKILLS

Programming Languages:	Python, SQL
Technical Skills	Machine Learning, Deep Learning, NLP, Image Processing, EDA, GenAI
Frameworks	Flask, OCR, OpenCV, Tensorflow

PROJECTS

MemGen is a web-based application that harnesses the power of AI/ML to automatically generate memes based on the facial expressions present in uploaded images.

DocMan is a mobile application that analyzes a user's snoring pattern to predict both the probability and severity of Obstructive Sleep Apnea (OSA) in the individual. By assessing the snoring pattern, the application can provide reliable insights and help users take proactive steps toward improving their sleep quality and overall health

ACHIEVEMENTS

- Received **on the spot award and Star of The Month** from TCS.
- Completed Google Associate Cloud Engineer certification.
- Author of TCS Software product "TCS Smart Concierge 1.0" approved by IP&E.
- Have been part of a team, which consistently achieved 99 - 100% CSI over last 2 years.

EDUCATION

VNR Vignana Jyothi Institute of Engineering and Technology,   2017 - 2021
Bachelor of Technology in **Electronics and Communication Engineering**   CGPA : 9.3/10