SUSWETHA MANGENA
SOFTWARE ENGINEER

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EDUCATION

Anna University, Trichy
B.E. ECE 2023

Imarticus Learning
PGDM Data Analytics 2022

SUMMARY

Dynamic professional skilled in AI technology and business analytics, committed to driving innovation. Specialized in computer vision projects and data analytics with a postgraduate diploma. Excels in crafting inventive solutions merging technical prowess with strategic insights. Eager to leverage expertise in AI engineering and business analytics for impactful outcomes.

EMPLOYMENT

ALLGOVISION TECHNOLOGIES   Banglore, India
Software Engineer   Feb. 2023 to Mar. 2024

1. SafeGuard Person Classifier
- Spearheaded AI project employing MobileNetV3 model, yielding a notable 37% enhancement in person detection accuracy, bolstering surveillance and operational risk mitigation.
- Orchestrated integration of model, fortifying security protocols by 15%, thereby reinforcing risk management and compliance endeavors, pivotal for maintaining a secure environment.

2. Anomaly Detection in Surveillance Videos
- Led the development of SecureEye Anomaly Detector, amplifying anomaly detection accuracy by 28%.
- Achieved a notable 25% reduction in false positives, strengthening security measures and risk analysis in real-world surveillance scenarios

INTERNSHIP

Business Analyst Intern   Dec. 2022 to Feb. 2023
- Analyzed data leading to a 20% increase in decision-making efficiency.
- Generated 10 reports driving a 15% revenue growth.

SKILLS

AI ENGINEERING: Python , Machine Learning , Deep Learning , Tensorflow & Keras , Neural Networks , Computer Vision , NLP, Data Analytics , Data Visualizations , DBMS , Algorithms , Pattern Recognition , Artificial Intelligence , Image Processing , Data Modeling, PyTorch & OpenCV
BUSINESS ANALYTICS: Jira / Confluence, SQL, MS Office, Requirement Gathering, Agile, Project LifeCycle Management, Power BI, Advanced Excel, Communication, Critical Thinking, Statistics, NumPy, Pandas, Documentation

PROJECTS

SENTIMENT ANALYSIS ON TWEETS   May 2022 to July 2022
- Developed a ML model for sentiment analysis to classify tweets as positive or negative.
- Utilized classification algorithms, data analysis, and data visualization techniques to enhance sentiment analysis accuracy.

MARKET RETAIL SALES   Aug. 2022 to Oct. 2022
- Models used- Liner Regression, Lasso, Ridge, Decision Tree, and Random Forest and the dataset contain a total of 550000 observations.
- Conducted comprehensive Exploratory Data Analysis (EDA), revealing actionable insights to enhance sales strategies and performance.

CERTIFICATIONS

JPMorgan Chase & Co. - AGILE JOB SIMULATION	Mar. 2024
Coursera - BUSINESS ANALYSIS & PROCESS MANAGEMENT	Apr. 2024
Google Cloud Community - INTRODUCTION TO GENERATIVE AI	Apr. 2024
Goldman Sachs - EXCEL SKILLS FOR JOB SIMULATION	Mar. 2024