SIVA SUBRAMANIAM R

AI & ML Engineer

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SUMMARY

I am a recent graduate with a strong academic foundation in Artificial Intelligence and Python programming. I have developed a solid understanding of AI concepts and hands-on experience with key Python libraries and frameworks. I'm seeking opportunities to apply my knowledge in real-world AI and ML applications, contribute to meaningful projects, and continuously enhance my skills in AI & ML software application development.

SOFTWARE SKILLS

- **Machine Learning Tools:** TensorFlow, PyTorch, Keras, scikit-learn
- **Programming Languages:** Python, SQL , DB2 (worked in AS400 applications)
- **Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Tableau
- **Big Data Technologies:** Apache Hadoop, Apache Spark, Hive

PROFESSIONAL EXPERIENCE

Internship & Employment   **Mar 2024 - Apr 2025**
Inodesys Technologies
- JD Edwards, RPG 3, CL .

Domain
- Manufacturing JD Edwards

Responsibilities
- Covering Administration works
- RPG 3 program analysis & development

Client : Caterpillar , Netherland

EDUCATION

M.Tech AI & DS	SRM University , Kattankulathur	2023 - 2026 -pursuing
B.E. Mechanical Engineering	Loyola Institute of Technology	2019 - 2023
12TH ST	SVVM, Thiruporur, Chengalpattu.	2016 - 2019
10TH ST	St'Bedes A.I. Hr.Sec.School, Chennai-04	2007 - 2016

ADDITIONAL INFORMATION

- **Certifications:** Industry 4.0, Analyzing and Visualizing Data with Microsoft Power BI, Tableau Certified
- **Patent:** DATE : 13/09/2024 Page No: 360

SENTIMENT ANALYSIS APP :

This Flask application is designed for exploring and analyzing app data from the Google Play Store and Apple App Store, leveraging MongoDB for data storage

IPL TABLEAU DASHBOARD :

- This content outlines a cricket analytics dashboard.
- It features rankings for top run-scorers, wicket-takers, strike rates, and economic bowlers, along with metrics like wickets per match.
- Each team's performance is analyzed through dashboards displaying win percentages (overall, home, and away) and top 5 batsmen and bowlers.
- The explanation section provides further details, supported by slides.

AUTOMATIC FIRE DETECTION & EXTINGUISHER SYSTEM (IOT):

PATENT DATE : 13/09/2024 Page No: 360

- Developed a Machine Learning model for real-time fire and smoke detection.
- Achieved high accuracy in fire detection to minimize false alarms.
- Designed and implemented an alarm system to promptly alert occupants and authorities.
- Created a mechanism to automatically activate fire extinguishers upon fire detection.
- Ensured the system's stability, performed regular maintenance, and validated its functionality.

HAND SIGN BY USING ML :

- This project is a real-time hand sign detection system using machine learning.
- It uses MediaPipe to track hand landmarks and a trained model to recognize signs.
- The app is built with Streamlit, making it easy to interact through a web interface.
- Users can toggle the webcam and view predicted characters on the screen.

LOAN APPROVAL PREDICTION SYSTEM :

- This project is a Loan Approval Prediction System that predicts whether a loan will be approved or rejected based on various financial and personal factors.
- The system also provides an explanation for the decision using key financial indicators.

For more exciting projects, visit our GitHub repository - *https://github.com/Siva-Subramaniam-DS*

Date of Birth	: 16.10.2001
Gender	: Male
Nationality	: Indian
status	: Unmarried
Languages Known	: Tamil and English