Steve Sojan

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FOSSEE - IIT BOMBAY | SWE INTERN
Feb 2025 – Jun 2025 | Final Work Report

- Selected as an Intern after the initial screening task, currently working with the FOSSEE team at IIT Bombay, on the open source Osdag Project as an official intern.
- Collaborated with the responsible team to oversee Osdag's codebase, managing its installation, updates, and the maintenance of its various modules through weekly discussions and code reviews with mentors.
- Packaged Osdag's Tex Environment inherently, removing a significant friction point and simplifying the user setup process by eliminating the conventional Tex distribution installation.

OSDAG | Python Developer - Open Source Contributor
Dec 2024 – Feb 2025

- Created a fully fledged installer for the open-source software Osdag, developed by the FOSSEE Osdag Team at IIT Bombay.
- Osdag was priorly installed as a conda package, with the user having to download the required dependencies separately.
- Designed the code block for all installation scripts, which could seamlessly install all dependencies without manual intervention.

PROJECTS & HACKATHONS

ZELESTRA X AWS ML ASCEND CHALLENGE
Jun 2025 – Jun 2025 | Results Here - Ranked 61 out of 700

- Developed a stacked regression model capable of predicting efficiency in solar panels with an accuracy of 89.89455
- Designed the entire pipeline capable of data preprocessing and feature engineering including the 8 model stacked ensemble coupled to a Ridge Regression meta learner.

HEIMDALL | Price Trend Visualizer + Predictor using LSTM
Jun 2025 – Present | Heimdall GitHub Repository

- Combines a multimodal ensemble of a Vision Transformer (ViT) trained on labeled technical charts (support, resistance, breakout levels) with an LSTM trained on historical OHLCV data, leveraging matplotlib, mplfinance, and TA-Lib for candlestick pattern recognition.
- Enhanced functionality with Standard Averaging and Exponential Moving Averages (EMA) price prediction.

WORKHORSE AI |Agro Financial Advisor
Jul 2025 – Jul 2025 | WorkHorse AI GitLab Repository

- Developed a local Retrieval-Augmented Generation (RAG) pipeline using ChromaDB and LlamaIndex with all-MiniLM-L12-v2 embeddings, integrated with a quantized Mistral-7B model for efficient domain specific responses.

THE GOODCOACHES INITIATIVE |Founder
Dec 2023 – Jul 2025 | thegoodcoaches.org

- Founded The GoodCoaches Initiative, that connects volunteering coaches and partner academies with underprivileged children.

EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY
BTech CS with Minor in AI & ML
Expected Aug 2026 | Bhopal, India
Current CGPA: 8.58 / 10.0

MOUNT ST. MARY'S SCHOOL
AISSCE - Sciences - Class 12
July 2021 | Delhi, India
Percentage: 93 %

MOUNT ST. MARY'S SCHOOL
AISSE - Class 10
July 2019 | Delhi, India
Percentage: 93.1 %

SKILLS

TECH STACK
Python • PyTorch
Tensorflow and Keras • Matlab
C/C++ • Tableau • Java
Git/Github • Linux
Tex & LaTex • Artificial Intelligence
Machine Learning

EXTRA CURRICULAR

SPORTS & LEADERSHIP
- Captain - VIT College Football Team, AARAMBH Sports Fest, 2022 (Champions)
- Captain - VIT College Football Team, AdVITya Sports Fest, 2023 (Runners Up)
- Academy Player for Delhi Football Club (2023), competed against top football clubs of Delhi.
- Best Athlete Award (2019), Senior Men's Category

SOCIETIES & CLUBS
- Music - Certified by Trinity College London in Electronic Keyboard (Grade 1)
- The Matrix Clan (2020): As General Secretary, organized events for Matrix Ecomm-Symposium, an inter-school competition hosted by MSM in Delhi.
- AI Club, VIT Bhopal (2022): Part of the AI-based events organized by the AI Club.

LINKS

Github:// **stevesojan**
LinkedIn:// **stevesojan**