

S Venkata Suharssh

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WORK EXPERIENCE

KFin Technologies Limited

Hyderabad, Telangana

Associate Product Manager

Mar 2025 - Nov 2025

- Provided 24/7 availability for critical client support, coordinating priority issue resolution with the tech team through on-call meetings and escalations; this reduced issue-resolution time by 40%, decreased downtime incidents by 25%, and improved overall API performance and client satisfaction.
- Supported the development and deployment of high-availability APIs that achieved 99.9% uptime, ensuring seamless integration for 50+ enterprise clients and contributing to a 15% increase in client retention through improved system reliability.

Crimson Innovative Technologies

Hyderabad, Telangana

Big Data Intern

Jun 2024 - Jul 2024

- Collaborated with the tech lead to build a predictive maintenance model by analyzing over 10 lakh sensor data points using PySpark, achieving 87% accuracy in log-occurrence forecasting, reducing data processing time by 40%, and enabling real-time operational insights.
- Integrated NLP techniques into the anomaly-detection pipeline to enhance issue identification, resulting in a 17% increase in early anomaly detection and significantly minimizing downtime across key assets.

Capabl

Remote

Data Science Intern

Jun 2022 - Jul 2022

- Learned and applied end-to-end modeling steps, including data preprocessing, feature engineering, and hyperparameter tuning, resulting in a robust predictive pipeline for real-world transportation data.
- Validated model performance through rigorous testing on large-scale datasets, demonstrating significant improvements in prediction precision and establishing a benchmark for future city-wide transit analytics projects.

Instamojo Pvt Ltd

Remote

Research Intern

Mar 2021 - Dec 2021

- Analyzed over 50 diverse data sets to identify high-potential prospects, resulting in a 35% increase in targeted outreach efficiency and expanding the prospect pipeline by 20%.
- Implemented targeted social media marketing strategies based on research insights, leading to a 25% growth in follower base and generating a 10% uptick in lead conversions within three months.
- Collaborated in weekly team meetings and conducted comprehensive market research, uncovering emerging customer interests that contributed to a 15% boost in social media engagement metrics.

EDUCATION

Vellore Institute Of Technology, Chennai

Chennai, Tamil Nadu

B.Tech in Computer Science and Engineering with specialization in AI and Robotics

Graduation Date: Sep 2025

Sri Aakash Jr. College

Hyderabad, Telangana

Senior Secondary

Graduation Date: May 2021

PROJECT EXPERIENCE

Vellore Institute of Technology

Chennai, Tamil Nadu

VIDEO ANALYSIS FOR REAL-TIME YIELD OF SENTIMENTS

- Engineered VARYS's multimodal transformer pipeline (Vision Transformer, Whisper, GPT-LLMs, PyTorch, HuggingFace) to analyze 10M+ YouTube comments in real time, achieving a 35% improvement in sentiment/stance accuracy and scaling throughput to 500,000 comments/hour for rapid detection of conflicts and misinformation.
- Built weak-supervision-based labeling workflows (Snorkel, Python, Scikit-learn) that expanded training data by 20%, strengthening classification reliability and enabling detailed demographic profiling and creator-influence insights across large-scale online discussions.

Sleep Stage Classification and Disorder Prediction

- Developed an end-to-end multimodal sleep-stage classification system using CNN, LSTM, TFT, Brain2QWERTY, and DNN models in PyTorch/TensorFlow, integrating PSG/EEG preprocessing, feature extraction, and ontology-driven knowledge graph embeddings—achieving 96.3% accuracy (LSTM) and outperforming baseline architectures across metrics such as F1-score and Cohen’s kappa.
- Built an explainable and clinician-friendly analysis pipeline using SHAP, LIME, knowledge-graph reasoning, NumPy, Pandas, SciPy, NetworkX, and Streamlit, enabling interpretable sleep-stage predictions and disorder-risk profiling while automating data ingestion, signal cleaning, and model evaluation workflows across the full ML lifecycle.

Vellore Institute of Technology

Chennai, Tamil Nadu

Detection of Cotton Plant Leaf diseases

Jun 2023 - Jul 2023

- Spearheading the development of a cutting-edge deep learning model to accurately detect and classify diseases in cotton plant leaves.
- Leveraging advanced convolutional neural networks (CNNs) and image processing techniques to enhance precision in disease diagnosis, enabling early intervention in agricultural practices.
- Authored a research paper detailing innovative methodologies and key findings, set to influence future research and applications in the field.

SKILLS & INTERESTS

Skills: Programming: Python, SQL, Java, C, C++ | ML: PyTorch, TensorFlow, Scikit-learn, CNN, NLP | Tools: HuggingFace, Git/GitHub, PySpark, SHAP, LIME, Word, Excel, Tableau

Certifications: Supervised Machine Learning - Stanford AI; Google Cloud Certified Cloud Digital Leader (issued December 2023)