Guru Sai Charan Yarra

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Work Experience

Business Operations Associate – NxtWave, Hyderabad **June 2025 – Present**

- Handle and manage operational data in multiple formats, ensuring accuracy and accessibility
- Create interactive dashboards and reports using Power BI for data-driven decision-making
- Coordinate between academic, content, and tech teams to ensure seamless execution of processes

AI/ML Intern – Edunet Foundation **June 2023 – Aug 2023**

- Developed a project on Employee Burnout Prediction using Linear Regression
- Gained hands-on experience in model building, evaluation, and real-world AI/ML applications

AWS Intern – APSSDC **Jan 2023 – Mar 2023**

- Deployed WordPress on AWS, demonstrating cloud proficiency
- Configured server instances and implemented security measures to reduce potential threats

Projects

NIAT Feedback Website Link

- Designed and developed a feedback management platform to solve repetitive reporting issues within NIAT.
- Acts as a centralized data hub and generates interactive dashboards using the power of Power BI.
- Streamlined data collection and analysis, reducing manual effort and improving decision-making efficiency.

Deep Learning-Based Botnet Detection: A Hybrid Model with GANs, Transformers, and 1D CNNs Link

- Developed a hybrid deep learning model combining GANs, Transformers, and 1D CNNs for detecting botnet attacks.
- Published in the *16th International Conference on Computing, Communication and Networking Technologies (ICCCNT 2025)*, IIT Indore.

HybNet-HD: A Multi-Stream Deep Learning Architecture for DDoS Detection in IoT Networks

- Proposed a multi-stream hybrid model integrating CNN, LSTM, and attention mechanisms for IoT-based DDoS detection.
- Achieved high accuracy and low false-positive rates on the UNSW-NB15 dataset.
- Manuscript under review for publication.

Education

2021–2025	SRM University AP	(GPA: 7.82/10)
2019–2021	Class 12th BIEA Board	(GPA: 7.6/10)
2019	Class 10th SSC Board	(GPA: 8.8/10)

Skills

Languages: C++, Java, Python, SQL
Tools & Tech: Power BI, Flutter, AWS, Figma
Interests: Data Science, AI, ML

Certifications

Cybersecurity Fundamentals IBM SkillsBuild (11-08-2023)
AWS-Cloud Computing APSSDC (11-08-2023)
Freedom with AI Masterclass OpenAI (28-09-2024)