SURYA NARAYANAN V

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EDUCATION

B.Tech - Artificial Intelligence and Machine Learning, *St. Joseph's College Of Engineering* 2021 - 2025
CGPA: 7.48

HSC, *Ellen Sharma Memorial Matric Higher Secondary School*   2021
Percentage: 70

SSLC, *Ellen Sharma Memorial Matric Higher Secondary School*   2019
Percentage: 54

SKILLS

Technical: Prompt Engineering, Deep Learning, NLP, Machine Learning, Reinforcement Learning, Adafruit, Arduino, IOT, API Gateway

Programming Languages: Python, C

Frameworks and Libraries: Transformer, Pandas, PyTorch, Matplotlib, TensorFlow, OpenCV, YOLO

PROJECTS

Agro-based IoT and AI Project:
Developed an agro-tech model with IoT sensors, CNN-based detection, and weather predictions using Google Weather API. Integrated reinforcement learning and a ChatGPT chatbot for interaction. Used Node.js, Flask, Firebase, Adafruit Cloud; frontend: HTML, CSS, JS.

LULC-GDP Based Fund Utilization Analysis:
Developed an government fund utilization efficiency, land use/land cover (LULC) data was integrated with regional GDP statistics. By correlating spatial LULC patterns with economic indicators, the analysis revealed how different land types (urban, agricultural, industrial) influenced fund allocation and impact. This enabled a data-driven evaluation of resource distribution, highlighting inefficiencies and guiding policy improvements.

PROFESSIONAL EXPERIENCE

KM Seat Company Private Limited
Machine Learning Intern: Built an ML model to detect hands during welding and trigger safety shutdown.

YOUNSHIN AUTOMOTIVE INDIA PVT LTD
Machine Learning Intern: Worked on real-time machine learning systems

The Corporate Analytics
Data Science engineer: Built Tamil-English speech-to-text with Whisper.using LLM models

AWARDS

- HACK-AI-THON - **RUNNER (2/200)**
- Hacktopia - Top 10 / 400
- SIH 2023 Hackathon - Top 5 / 200