CHIVUKULA SAI RITHIVIK

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PROFESSIONAL SUMMARY

Aspiring AI and ML engineer with hands-on experience in time-series modeling, Computer Vision, and NLP. Skilled in developing deep learning systems, designing ML pipelines, and deploying interactive models using modern tools.

EDUCATION

B.Tech – Computer Science and Engineering   *2023 – Present*
Amrita Vishwa Vidyapeetham, Coimbatore   CGPA: 8.78
Intermediate – MPC   *2021 – 2023*
Sri Chaitanya Junior College, Hyderabad   Score: 980/1000
SSC   *2020 – 2021*
Krishnaveni Talent School, Mancherial   Grade: 10/10

WORK EXPERIENCE

Infosys Springboard – Virtual Internship 6.0 - *Sept 2025 – Dec 2025* - (GitHub)
- Project: **PrognosAI**
- Developed an LSTM model for aircraft engine RUL prediction using NASA C-MAPSS dataset.
- Built an interactive Streamlit dashboard enabling real-time CSV-based inference for RUL estimation.
- Selected as the **best performer among 20 students** and presented the project to the Infosys evaluation panel.

PROJECTS

LoPECS – Edge AI for Autonomous Vehicles - (GitHub)
- Implemented YOLOv8 object detection and Visual SLAM for navigation.
- Integrated Vosk voice assistant for human–vehicle interaction.
- Enabled low-power real-time perception for edge-based autonomous driving.
- **Tech Stack**:YOLOv8, Vosk, Bruteforce-matcher, ORB extractor,Opencv

TruthLens – Fake News Detection - (GitHub)
- Built TF-IDF + Logistic Regression / RF / SVM models achieving 95% accuracy.
- Designed a Streamlit UI for batch predictions and manual review.
- **Tech Stack:** Tfifd Vectorizer,sckit-learn,NLP,keras

ShopsBuzz – E-Commerce Platform - (GitHub)
- Architected a full-stack e-commerce solution with MySQL database for product catalogs, user sessions, and transactions.
- Built backend components using Node.js and Express for secure authentication and order workflow management.
- **Tech Stack:** JavaScript, MySQL, HTML/CSS, Express, Node.js

SKILLS

Programming: Python, Java, JavaScript, Dart
AI / ML Tools: NumPy, Pandas, Scikit-learn, TensorFlow, Keras, OpenCV, Vosk, Whisper, Matplotlib, Seaborn, Plotly
Web & Tools: Streamlit, GitHub, VS Code, web-bots, StarUML, React ,HTML, CSS,ESP-IDF
Soft Skills: Presentation, Teamwork, Time Management

CERTIFICATIONS

- Machine Learning Specialization – Stanford (Coursera, Andrew Ng)
- Generative AI Leader – Google Cloud (Coursera)
- Data Science for Engineers – IIT Madras (NPTEL)
- Adobe Hackathon Participation