

# CHIVUKULA SAI RITHIVIK

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## PROFESSIONAL SUMMARY

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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

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

## WORK EXPERIENCE

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### 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

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### 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, Brute-force-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:** Tfidf Vectorizer, scikit-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

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**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

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