SRAVANTHI GOWRU

gowrusravanthi12@gmail.com | VIT AP University | +91 7013619704 | Portfolio | GitHub | LinkedIn

EDUCATION

Degree	Specialization	Institute	CPI	Year
Integrated M.Tech	CSE	VIT AP University	8.67	2021-Present
Intermediate	MPC	Narayana Junior College	95.1%	2019-21
Secondary School	10th	Sri Vijaya High School	9.8	2019

PROJECTS

Automated Bus Scheduling Jan'25

- ***Tech Stack****: Express.js, Node.js, CSS, Bootstrap, MongoDB*
- Developed an automated system for optimising bus scheduling and assigning crew members efficiently. Implemented algorithms to minimize scheduling conflicts, improve resource utilisation, and ensure optimal shift allocation.
- Integrated real-time data processing for dynamic adjustments, enhancing operational efficiency and reducing manual workload.

Malware Classification Framework Sep'24 – Nov'24

- ***Tech Stack:*** *Python, Tensorflow, PyTorch, DL models, NumPy*
- Built a malware classification system using Densenet-169 model by adding layers to pretrained model on the Malimg dataset.
- Achieved 98% accuracy using this model for malware detection.

Wealth Management Solution Aug'24-Dec'24

- ***Tech Stack****: React.js, Node.js, Chart.js, Firebase, Bootstrap*
- A comprehensive finance tracking application designed to help users manage their income, expenses, budgets, and savings goals.
- Built with a modern tech stack, the application provides user authentication, intuitive dashboards, financial tracking, and visualisation tools for better financial insights.

Lane-Detection System May'24 – Aug'24

- ***Tech Stack:*** *Python, Tensorflow, DL models*
- Developed an advanced lane detection system using an ENet-based semantic segmentation model, achieving 97.5% accuracy in detecting lane boundaries from real-world road images.
- Optimized model performance using data preprocessing, real-time inference, and loss function tuning, enhancing pixel-wise classification accuracy for autonomous driving applications.

ACHIEVEMENTS

- Secured a 2nd position in the National-Level Hackathon held at NRI Institute of Technolony Dec'24
- Participation Certificate of NGC Hack- Day, Hosted by NGC Club, VIT AP University Jan'24
- Certification of Web Development Training - Internshala Trainings Sep'23

TECHNICAL SKILLS

Languages: Python, Java, R, MySQL

Tools: Jupiter Notebook, Google Colab, VS Code, GitHub, Docker

Frameworks: Django, React.js

Libraries: PyTorch, Tensorflow, Keras, NumPy, Pandas