THULASIRAM SARAVANAN
Assistant System Engineer

PERSONAL PROJECTS

Deep Unified Model for Intrusion detection based on Convolutional Neural Network

- Detects and Recognizes face and reports personal details.
- Multiple camera can be focused to get same or different images or videos for simultaneous processing.
- Published Paper in International Journal.
  Unique Identification Number : IJTSRD39976.

Corrosion detection in pipelines using drone and machine learning

- Detects the corroded pipelines using surveillance drones.
- Demo in IITM research park.

Vehicle Recognition using OpenCV and Machine learning

- The project identifies and classifies vehicles based on types (Sedan, Hatchback, SUV).
- Verifies users and their details using number plate detection.

WORK EXPERIENCE

Tata Consultancy Services / Assistant System Engineer

6/2019 - Present
- Responsible for Mainframe production batch processing.
- Analysed and implemented strategies which reduced failures by 20%.
- Led initiatives to ensure smooth execution of jobs.
- Played a vital role in automation via Mainframe and SQL.

Missile Ingeniator / Hardware Engineer

05/2018 - 06/2019
- Lead hardware team, project planning and guided technical research based activities.
- Mentored students on Electronics, Embedded and Arduino internship.
- Trained students on Machine Learning and Embedded projects.
- Automated web based tasks with Python and scripting.

EDUCATION

Meenkashi Sundararajan Engineering College
Bachelor of Engineering

2015-2019
- Electronics and Communication Engineering
- CGPA: 7.8

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   thulasiram-saravanan-866686117
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Skills:

- Machine Learning
- Deep Learning
- Python
- Pandas
- NumPy
- OpenCV
- Mainframe
- SQL
- JCL

Resume Source Code :