AJAY SS

CONTACT

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Ajay2k4

EDUCATION

2020-2023
MEI POLYTECHNIC

- Electronics and communication

2023-2026
RV UNIVERSITY

- School of Computer Science Engineering

SKILLS

- Programming Languages: Java, Python, C programing
- Web Development: HTML, CSS, JS
- Backend Development: FastAPI, Flask, RESTful API development
- Frameworks: TensorFlow, PyTorch, Spring, Matplotlib, NumPy, Seaborn
- Databases: SQL, MongoDB
- Tools and IDEs: Visual Studio Code
- Operating Systems: Linux
- Machine Learning: Deep learning, Data preprocessing, Model training, Geospatial data analysis
- Cloud Services: AWS
- Containerization: Docker
- Version Control: GitHub- CI/CD

PROFILE

I am an enthusiastic and self-motivated developer eager to contribute to innovative projects. My strong foundation in AI, ML/DL, and full-stack development, coupled with hands-on experience in real-world projects, makes me an ideal candidate. I am eager to learn and apply cutting-edge technologies to solve complex challenges.

WORK EXPERIENCE

Computer Vision Intern

- Rezler Technology – [Bangalore, India]
- Work type - Remote -Present
- Worked on developing and optimizing computer vision models for object detection and recognition tasks.
- Assisted in preprocessing image and video data for training machine learning models.
- Implemented algorithms using Python, OpenCV, YOLO, OCR and deep learning frameworks such as TensorFlow/PyTorch.
- Collaborated with the engineering team to integrate vision models into real-time applications.

ANPR_Inception-ResNet - Project

- Description: Implemented an Automatic Number Plate Recognition (ANPR) system.
- Technologies: TensorFlow, Keras, Python
- Key Features:
- Used the Inception ResNet architecture for feature extraction and classification.
- Trained on a large dataset of vehicle images containing license plates.
- Implemented real-time number plate recognition with computer vision techniques.

Image to Story Narrator using LLMs - Project

- Description: Designed a system to transform images into coherent and engaging narratives using large language models (LLMs).
- Technologies: Python, OpenAI GPT-based models, TensorFlow, Computer Vision
- Key Features:
- Integrated computer vision to extract features from images.
- Utilized GPT-based models to generate detailed and contextually relevant stories.
- Enhanced user interaction with an intuitive interface for uploading and narrating images.

Phenomena Detection -Project

- Description: Developed an AI-driven system for pneumonia detection using medical images.
- Technologies: TensorFlow, Keras, Convolutional Neural Networks (CNN), Python
- Key Features:
- Trained deep learning models, including CNNs, for pneumonia detection.
- Applied transfer learning with pre-trained models to improve accuracy.
- Utilized Python for data preprocessing, model training, and evaluation.

CERTIFICATES

- Big Data Computing (NPTEL)
- Cloud Computing (NPTEL)
- OpenAI Generative Pre-trained Transformer 3 (GPT-3) for developers