Yerva Devendra Reddy

AI - Data Science/Machine Learning/Computer Vision

Experienced AI Computer Vision Development Lead with 5+ years of expertise in leading innovative computer vision solutions. Proven ability to design, develop, and implement cutting-edge computer vision algorithms and models, and effectively manage teams of computer vision engineers and data scientists to deliver high-impact projects on time and within budget.

✉ mail@devendra.me

📍 Hyderabad, India

in linkedin.com/in/dev225x

📱 +917013313692

🌐 www.devendra.me

github.com/dev225reddys

TECHNICAL (IT) SKILLS

Tools	MS VS Code, PyCharm, DBeaver	**AI Libraries**	OpenCV, Open3D, Numpy, Pandas, SciPy, SKLearn
AI	Image Segmentation(Semantic/Instance), 3D/LiDAR Segmentation & Object Detection, PyTorch, TensorFlow, Sensor Fusion, Image Processing	**Programming**	Python, R, Bash, Django, Flask, Serverless Frameworks
Research and Planning	Identifying Problems, Gathering Information, Developing Evaluations, Calculating Results, Exploratory Data Analysis	**Cloud**	AWS, Azure AI/ Azure Cognitive Services, Docker
Database Management	SQL, SQLite3, PostgreSQL		

WORK EXPERIENCE

Senior Engineer | Transportation Solutions
L&T Technology Services

02/2022 – Present   *Hyderabad, Telangana.*

Achievements/Tasks

- Spearheaded the development of [AnnotAI Product](#), a robust and scalable computer vision annotation tool, utilizing state-of-the-art deep learning frameworks, including TensorFlow,PyTorch, and OpenCV and Django as the backend framework and deploying with Docker containers.
- Pioneered the integration of cutting-edge computer vision techniques, such as generative adversarial networks (GANs) and transfer learning, to optimize the annotation process and enhance model precision.
- Led a team of 15+ computer vision engineers and data scientists, fostering a collaborative and innovative environment that drove the successful delivery of AnnotAI Product to multiple European and American Clients as Service(PaaS).
- Effectively bridged the communication gap between technical and non-technical audiences,clearly articulating complex computer vision concepts and the benefits of AnnotAI Product.
- Actively engaged in research and development activities, contributing to the standardization of computer vision data formats and annotation guidelines, fostering interoperability and collaboration within the field.
- **Regions:** Europe, Americas | **Business Areas:** Automotive, Medical, Robotics

WORK EXPERIENCE

Senior Engineer | Digital Platforms
EverestDX Inc.,

04/2021 – 01/2022   *Hyderabad, India*

Everest DX is a global IT services & solutions provider for customers across multiple industry verticals based out of US.

Achievements/Tasks

- Leveraged Python frameworks like Pandas, NumPy, and Scikit-learn to develop and implement AI-powered analytics solutions for clients. Conducted rigorous testing and debugging to guarantee the precision and efficacy of AI models.
- Crafted intricate service maps and data analytics visibility dashboards, empowering clients with actionable insights for informed decision-making.
- Fostered collaboration with cross-functional teams to achieve timely project delivery and exceptional customer satisfaction.
- **Regions:** Americas | **Business Areas:** Cloud

Software Engineer | AI Platforms
Zen3 Info solutions – (Now A Tech Mahindra Company)

05/2019 – 03/2021   *Hyderabad, India.*

Achievements/Tasks

- Spearheaded the development of a Computer Vision Data Collection tool (DATAMIME), enabling the capture of datasets in formats compatible with machine learning and deep learning models.
- Crafted multiple APIs, trained OCR and object detection models utilizing the collected dataset, and integrated the tool seamlessly into the existing Data Collection platform.
- Developed Automation scripts for testing out Accuracy between Speech models developed in-house and Microsoft LUIS.
- Proficient in Python and OpenCV, with expertise in Machine Learning, NLP, and Computer Vision domains.
- **Regions:** Europe, Americas | **Business Areas:** Automotive

EDUCATION

BTech in Computer Science
Presidency University

08/2015 – 05/2019   *Bangalore, India.*

AWARDS & CERTIFICATIONS

Start of the Month & Qtr (08/2023 – 11/2023)   Python Expert L5 (08/2020 – Present)
L&T Technology Services   *HackerRank*

Data Science (10/2019 – Present)
IBM

LANGUAGES

English   Telugu   Hindi   Kannada
Full Professional Proficiency   *Native or Bilingual Proficiency*   *Limited Working Proficiency*   *Elementary Proficiency*

INTERESTS

AI/Computer vision   Product Development   Engineering R&D   ADAS