

Dheeraj Kumar Reddy Peram

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Work Experience

Inflect Technologies Pvt Ltd,

Senior AI Engineer

Bengaluru, India

Oct 2023 - Present

- Implemented **generic detection, Segmentation models & Core Generic software Libraries** to be used across clients.
- **Mentored** junior team members, providing guidance and support in AI technologies and best practices.
- Collaborated with cross-functional teams to identify challenges and designed AI solutions that led to Improved **AI processes**, decision-making, and **cloud cost reduction**.

AI Engineer

Oct 2022 - Oct 2023

- Spearheaded a total of **5 AI-driven** high-valued clients from ideation to **deployment**, showcasing strong **project management skills** and ability to meet project **deadlines**.
- Developed and deployed deep learning models for **Product Identification** to Compute “Share of Shelf” and “On Shelf Availability” for major brands to execute their market analysis.
- Analyzed data and developed highly accurate, optimized, and scalable pipelines consisting of **cascaded Deep Learning models** and deployed the same using Redis, Nginx, and docker.

Brains for Hire UG

Computer Vision Engineer

Munich, Germany

Nov 2021 - June 2022

- **Designed** a novel method to preprocess the data to **enhance the bleeding** on the retina of patients with diabetes by Leveraging large datasets.
- Developed and optimized Segmentation and Classification models to **classify retina images** into four distinct categories of diabetes with a sensitivity of 0.9 for **finding diabetic retinopathy** aiding in early diagnosis.

Technische Hochschule Rosenheim

Master Thesis Student

Rosenheim, Germany

Dec 2020 - Aug 2021

- **Developed** algorithms in Python Programming Language to **generate Synthetic Data** for Inspection of transparent glass panels.
- **Deployed** Cascaded Deep Learning models to **Localize the defects and detect anomalies** to enhance the efficiency and accuracy of Quality Inspection ensuring high-quality production.

Softdeal Technologies Pvt Ltd

Jr. Machine Learning Engineer

Bengaluru, India

Sept 2017 - Aug 2018

- Development of software tool sets for **data processing, and visualization** of large-scale data sets
 - day to day responsibilities include Working with our core development team and training **object detection/segmentation networks** for automation of tasks that need human eye assistance
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Education

Technische Hochschule Rosenheim

M.Eng in Automation Technology

Aug 2021

Rosenheim, Germany

- Secured a CGPA of 2.3 with a major in Image Processing, Machine Learning, Computer Vision
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CERTIFICATIONS & SKILLS

Certifications: [machine learning](#), [deep learning](#), [computer vision with TensorFlow](#)

Skills: Python, TensorFlow, PyTorch, OpenCV, Flask, Docker, Image Processing