Vatsal Kansara

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Ahmedabad, Gujarat

Summary

Practical and versatile R&D engineer with skills in machine learning, cloud computing and embedded systems. A dedicated professional with an aptitude for innovation, creative problem-solving, and analytical thinking. Highly adept at computer vision and deep learning algorithms.

Experience

Senior Engineer, R&D

Infostretch Corporation - Labs • Ahmedabad
09/2021 - Present
Working for experience center department as a part of Innovation team(Labs)

Role:
- To work on innovative ideas and problems indentified by clients / internal teams with solution oriented approach without limited by technology or the languages.
- Work for experience center development and continues innovation of POC and products.
- Work with the delivery team to understand the areas where clients are looking for innovation.
- Read reasearch papers with to keep learning about new developments in different domains.
- Major technologies - **Computer vision, Deep Learning, Blockchain, AWS for deployment**

Machine Learning Engineer

Ishitva Robotic Systems
08/2019 - 09/2021
Project: R&D in Computer Vision (waste segregation)

Role:

- Read different research papers and do the implementation on real world waste data by organizing and structuring millions of images on **Google Cloud.**
- Do Improvement in hardware (**Area Scan Camera ,Line Scan Camera, 3D camera,** Vision Light, Background) of system to achieve more accuracy and low latency.
- Try different Computer Vision Algorithms to get more features from the image. Work on optimizing Image **classification, detection and segmentation**.
- Major Technologies: **Computer Vision, Deep Learning, IoT, C++**

Project: Smart Bin Solution

Role:
- To provide end to end cost-effective solution for smart bin product.
- Make different prototype of the smart bin product by using different IoT sensors and boards like **ESP32,Arduino and RaspberryPi** and Work on cloud integration of devices using API's.

Croods Consolidates

Jr.Developer
06/2018 - 03/2019
Role:
- Worked on the project to provide the solution of the ERP based system.
- System includes the clinet management and innovice generration,project management and project tracking modules.

Skills

Deep Learning, Computer Vision, Cloud: Amazon Web Services / Google Cloud, Languages: Python/C++/C, Frameworks: OpenCV / Tensorflow / Pytorch / CUDA, Embedded: Arduino / RaspberryPi / ESP32 / Jetson Nano

Education

Degree in computer engineering

Gandhinagar Institute of technology • Gandhinagar, Gujarat
05/2019
CGPA - 8.77 - 82.50 Percentage

12th Science

Shiv Ashish Science School • Ahmedabad, Gujarat
03/2015
90.51 Percentile - 77 Percentage

10th

Shiv Ashish School • Ahmedabad, Gujarat
03/2013
82 Percentage

Achievements

- E-Cell - Best innovative Award.
- Secured top positions in technical events organized at state level.
- Participated in Elementary and Intermediate drawing competitions and secured Above Average results.

Accomplishments

- Led the planning and execution of a global-scale Hackathon as the Principal Director for a multinational corporation, collaborating with volunteers from diverse backgrounds across six different time zones.
- One of key member of arduino club and coordinator of state level workshop organized at college.
- Core member of class representative team for 2 years

Certifications

- Deep Learning And Neural Networks - Deeplearning.ai
- Blockchain Specialisation - The University at Buffalo
- Machine Learning - Standford University
- OSTC - IITB - C Programming

Languages

Hindi, English, Gujarati, French