

Susmit Joshi

Jr. Data Scientist, (Computer Vision Engineer) - Kogentix Inc

- Email me on Indeed: [indeed.com/r/Susmit-Joshi/c24f47836451a955](https://www.indeed.com/r/Susmit-Joshi/c24f47836451a955)

WORK EXPERIENCE

Jr. Data Scientist, (Computer Vision Engineer)

Kogentix Inc - August 2016 to Present

Object Recognition and Localization:

- Used Keras with Theano at the backend for providing Deep Learning Solutions using RCNN/CNN for Object Recognition and Localization problems.

- Worked on building the pipeline on an application to provide Shelf Vision solutions for retailers.

Deep Learning, Machine Learning, Traditional Computer Vision and Image processing techniques were used.

- Used OpenCV, C++, Python

Barcode Detection and Recognition:

- Used OpenCV, C++ and Zbar library for Barcode Detection and Recognition.

Optical Character Recognition:

- Using tools like Abbyy and Tesseract for OCR

- Training tesseract with unknown fonts to improve the performance.

- Used OpenCV and Python for Auto-rotation of the text images and handling the skewed images.

2. Rochester Institute of Technology

Grader, Analytical Topics

Grade and evaluate the assignments for approximately 50 students per week and also have derived solutions for the class problems.

EDUCATION

MS in Computer Engineering in Computer Engineering

Rochester Institute of Technology - Rochester, NY

2016

Bachelors in Electronics in Engineering

University of Mumbai - Mumbai, Maharashtra

2014

SKILLS

.NET (Less than 1 year), C+ (Less than 1 year), Deep Learning (Less than 1 year), Embedded C (Less than 1 year), Python (Less than 1 year)

ADDITIONAL INFORMATION

SKILLS:

Languages: C++, Java (Beginner), Matlab, Embedded C (Beginner), Python, CUDA C

Tools: OpenCV, Matlab, Xcode, Python, Visual Studio, Keras (Deep Learning, Convolutional Neural Networks)
Embedded Programming Software: Arduino IDE, μ vision Keil Software.