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Employment

Software Engineer II — **Thinci Semiconductor Tech. Pvt. Ltd.** — **July 2019 - Oct 2019**

- At Thinci, as a part of Client Engineering Team i was working on Computer Vision based Application. I was directly involved in developing and tuning Deep Learning Model to run on Thinci Device (GSP).

Senior AI Engineer — **Prime Focus Tech. Ltd.** — **Jan 2019 - May 2019**

- Worked on Online Video Platform (OVP and Analytics). I was involved in analysing the video and finding out useful content from it using Computer Vision.
- Worked for BARC Client to monitor Commercial, Promo, Program, Montage across 30 channels using Computer Vision, Python and mongoDB.

Senior System Engineer — **Infosys Tech. Ltd.** — **Dec 2015 - Jan 2019**

- Worked for Aerospace client to do Structural health monitoring using Computer Vision approach. We have automated manual process of finding the defect in Ultrasonic scanned images of Aircraft.
- Worked as a QA Engineer for IST and UAT environment. My responsibility under this role was to automate the deployment process using Udeploy. Our automation approach reduces deployment time by 75%. This approach was highly appreciated by Client. Apart from automation we debug the application issue faced by testing team and resolve it in given SLA.

Languages and Technologies

- Programming Languages - Python, Java(Basic)
- Operating System - Linux, Windows
- Tools and Libraries - Tensorflow, NumPy, Scikit-learn, OpenCV.
- **Technical Skills** - Data Structure and Algorithms, Machine Learning, Deep Learning.

Education

Gwalior, India — **Indian Institute of Information Technology** — **July 2010 - June 2015**

- Integrated PG (B.Tech. + M.Tech) in Information Technology. CGPA: 7.0/10
- Main coursework: Data Structures, Design and Analysis of Algorithms, Computer Architecture, Artificial Intelligence, Database Systems, Operating Systems, Software Engineering.

M.Tech Thesis and Projects

- Vehicle Detection and Tracking using Neural Network. Used Single shot multibox detector to find car and track it in a video.
- Semantic Segmentation for Road Detection. Used U-Net Architecture to find road and non-road part of an image using semantic segmentation. This is useful for Autonomous vehicle for path planning.
- Disease Spread and Outbreak detection using social network analysis. This Project was part of my M.tech Thesis. I have used Twitter data for disease spread analysis.
- Machine Learning from Disaster (Kaggle competition). From the given data we have to predict which people have survived the disaster.
- Traffic Sign Classifier - Using Convolutional neural networks to classify traffic signs. Specifically, I have trained a model to classify traffic signs from the German Traffic Sign Dataset.

Certifications

- Udacity - Self Driving Car Nanodegree Certification.
- Medium- Content Writer. I have interest in writing technical article related to Machine Learning.
- Coursera - Machine Learning Certification.
- Coursera - Neural Network and Deep Learning Certification.
- Coursera - Data Structure and Algorithms Specialization.