CHANDRA KANT VANKAYALAPATI

www.linkedin.com/in/chandra-kant-vankayalapati
+1 (469)-693-5316 ⋄ chandrakant.vankayalapati@gmail.com

EDUCATION

Master of Science in Computer Science — April 2023 (expected)
Arizona State University, Tempe — 4.11/4.0

Bachelor of Technology in Information Technology — June 2019
Indian Institute of Information Technology, Allahabad — 8.42/10.00

EXPERIENCE

Software Engineer II — Bengaluru, India
@WalmartLabs — *July 2019 - May 2021*

- Developed features for a tier-1 mission-critical backend service, ensuring the Walmart.ca site's availability
- Re-designed and developed a versatile consent management system that was vital for customer communication and marketing.
- Developed a database migration pipeline, successfully migrating over 20 million critical customer data records from Oracle to Azure SQL with zero downtime.

Software Engineer Intern — Bengaluru, India
@WalmartLabs — *Jan 2019 - June 2019*

- Researched and helped in the development of an NLP framework to extract customers' opinions on fresh produce items' aspects like quality and price.
- Contributed to the development of Sam's Club's furniture Augmented Reality app for iOS which later went into production.

Software Engineer Summer Intern — Bengaluru, India
@WalmartLabs — *May 2018 - July 2018*

- Developed a proof-of-concept Diminished Reality application for Sam's Club's Home Decor section.
- Researched and benchmarked different objection detection and segmentation models for the given use-case.
- Trained and used Mask-RCNN with Inception v2 for object segmentation on a custom dataset.

PROJECTS

Smart Billboards using demographic targeting — August 2018 - November 2018
Dr. Vijay K. Chaurasiya

- Conceptualized and developed a proof of concept to make physical billboards smarter by targeting advertisements based on the demographics of the audience in its proximity.
- Used and extracted the age and gender demographics from photos captured by a camera. Inception v2 model trained on Adience dataset was used for age and gender classification.
- Developed a novel algorithm to score and display a particular ad based on the extracted demographics by assigning a relevance matrix.

Enhancing Night Vision using IR-Visible light cameras — January 2018 - May 2018
Dr. Satish K. Singh

- Implemented fusion of two low-light images - Infrared(IR) and visible-light images to produce an enhanced low-light image.
- Used the CNN activation maps from a VGG-19 model trained on ImageNet for image fusion.

SKILLS

Programming/ Scripting Languages	Python, C++, C, Java, Javascript.
Tools and Frameworks	Git, SpringBoot, Kafka, React, Tensorflow, Numpy, OpenCV, Linux.