

RATAN SINGH

#SA 302, Shriram Spandhana Challaghatta, Bengaluru, Karnataka 560037
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EDUCATION

Guru Nanak Dev Engineering College, Bidar

August 2015 - July 2019

Bachelor in Technology (B.Tech)

Department of Computer Science and Engineering

WORK EXPERIENCE

SwitchOn, Bengaluru

Software Engineer (Python Application)

Sept 2020 - Present

- Gathered requirements and designed architecture of product ecosystem.
- Generated several wrapper modules along with their wheel files.
- Developed AI inferencing application using shared memory and multiprocessing.
- Implemented shell script to automate bring-up of edge devices.
- Responsible for multiple hiring and setting up procedure for handover of application to clients.

Intozi Tech Pvt Ltd, Gurugram

Software Developer (Computer Vision)

Jan 2020 - Jun 2020

- Presented product demo to various clients including Addl. CP of Mumbai.
- Integrated algorithms on advance hardware such as Nvidia's jetson nano, Intel's Movidius.
- Implemented object tracking and monitoring algorithms in products.
- Developed complete optimized deploy-able face detection/recognition based SDKs and software installers.

Intozi Tech Pvt Ltd, Gurugram

Computer Vision Intern

July 2019 - Jan 2020

- Revamped the mapping algorithm to convert and map RADAR's world coordinate to a pixel coordinate
- Developed calibration software for various IOT and computer vision based products from scratch.
- Optimized ongoing product which led to approx 150% increase in performance.

TECHNICAL STRENGTHS

Programming Language	Python, C/C++.
Operating System	Linux & Windows.
Framework & Libraries	Django, Flask, PyQt, OpenCv, Pandas .
Database	SQL, MongoDB