Jaimin Bhoi

ajaymin28@gmail.com | github.com/ajaymin28 | 386-456-8222 | Oviedo, FL 32765

TECHNICAL EXPERIENCE

Tata Consultancy Services(TCS)   June 2018 – June 2023
Systems Engineer   *Bangalore, India*
- Worked on diversified domains and technology. Spearheaded innovative computer vision solutions and ported them to edge devices, resulting in **70-80% cost savings in cloud and GPU expenses** for the clients.
- Built a Continuous Learning Framework(CLF) that autonomously trains models using real-time production data, eliminating the need for manual data annotation and saving significant time.

Research Associate   *April 2020 - June 2020*
- As a Research Associate under Dr. Apurba Das, authored two computer vision patents registered at the Indian Patent Office and presented a research paper on cervical cancer detection with a remarkable 97% accuracy rate for early cancer detection at an international IEEE conference.

PROJECTS

Container Image Analytics | *Python, Flask, AzureML, Docker, RestX*   March 2021 – June-2023
- Solved industrial problems by implementing image verification, saving around $1 million in costs compared to auto-approval practices for fake work orders.
- Designed and deployed production-grade deep learning models using Multi-Model Hierarchical Inference on Azure Cloud, achieving scalability to handle 10,000+ requests per hour.

Qualcomm RB500 Development Board | *Android, DL Models, JAVA, C++, JNI*   April 2020 – Feb 2021
- Proficiently ported and optimized four diverse computer vision solutions to edge devices, ensuring efficient and resource-conscious deployment

Drunk and Drowsiness Alert System(DADAS) | *Python,AWS,Dlib,DL*   June 2017 - August 2017
- Led a team of three to rank within the top 20 out of over 86,000 participants
- Created an effective video analytics-based drowsiness detection system with a strong 96% accuracy rate.
- Developed a robust deep learning model for detecting drunk faces from expression-based datasets, achieving 80% accuracy in image classification

PUBLICATIONS

An Efficient Ensemble-Based Deep Learning Model for the diagnosis of Cervical Cancer | *ISCAIE*	2022
Aerial Video Analytics based dynamic Non-linear distance measurement between on-ground objects | IP	2022
Method and system to detect a text from multimedia content captured at a scene | IP	2022

WORKSHOPS | EXTRA CURRICULAR

Trends, Perspectives and Prospects in Machine Learning and its applications | *4 days*	September 2022
Machine Learning and it's applications | *5 days*	May 2020
Authored an advanced computer vision course on YouTube, utilizing OpenCV and Python | *2 Sections*	2019-20

EDUCATION

University of Central Florida   August 2023 – Pursuing
Master's of Science in Computer Vision   *FL, USA*

A.D.Patel Institute of Technology   April 2014 – March 2018
Bachelor of Computer Engineering   *Gujarat, India*

SKILLS

Soft skills: Self-motivation, Presentation, Problem-Solving, Teamwork, Leadership, Adaptability, Customer Focus
Languages: Python,Java,C/C++, JavaScript, HTML/CSS
Libraries: OpenCV, Pandas, Numpy, Tensorflow, Keras
Frameworks: Flask, Flask-restx, NodeJS
Developer Tools: Git, Docker, VS Code, Jupyter Notebook, SVN, Visual Studio, Android Studio
Cloud: Azure, AzureML