

DIVYANSHU

SUMMARY

Highly motivated, self-started Machine Learning Developer with 2+ years of experience in designing, developing and deploying ML models across different industries. Currently looking for a challenging full-time opportunity in the AI field.

PERSONAL DETAILS

[Linked In](#)

[Gmail](#)

[Github](#)

[Youtube](#)

[Medium blog](#)

Phone no - +91 9470253422

Indian citizen

Patna, India

EXPERIENCE

Systems Engineer

(Aug 2021 - Present)

Tata Consultancy Services, Bangalore, India

- Fine-tuned **Neural Machine translation (Transformer model)** on Norwegian-English dataset and achieved **BLEU** score of **46.2**.
- Created wrapper and **API** using **Flask** for inference of **NMT model**.
- Wrote python scripts for **web-scraping**, utility functions for **NLP** and **Computer Vision**.

Machine Learning Developer

(Apr 2020 - Jul 2021)

Adverto, Jabalpur, India

- Worked on a military project of object detection and deployed it on **Jetson Xavier, Raspberry Pi** and **Coral dev board** and created a **Linux distributable environment**.
- Created fabric defects detection and bank apps pop up detection and classification into various categories.

PROJECTS

NetrAI - Assistant for visually impaired

(Aug 2019 - Mar 2020)

- Smart glass, App assistant for helping them in day-to-day problems.
- Worked on **TfLite**, Barcode detection (**ZBar**), Speech Recognition (**Google cloud speech API**), **PoseNet**, **Pytsx3**, **Tesseract-OCR**, **OpenCV**, **face recognition**, **Microsoft Azure Computer Vision service** and deployed on **Edge devices**.

Semantic Segmentation based remote sensing

(Aug 2020 - Dec 2020)

Data fusion on satellite image

- Academic project in which we segmented satellite images into different parts (Healthy plants, non-healthy plants, barren regions, water, buildings) using Semantic Segmentation.
- Worked with **USGS, QGIS3, Rasterio, GDAL, SegNet, U-Net, Tkinter, Matplotlib**, image segmentation **Keras, OpenCV**.

ACHIEVEMENTS

SMART INDIA HACKATHON 2020 - Finals selected

- Problem statement - PCI index calculation using computer vision. Top 5 teams selected for finals.

IIC Regionals Qualified - MIC MHRD

- Our two projects were qualified for National conducted by MIC MHRD.

EXTRACURRICULAR ACTIVITY

Event Coordinator AI Exhibition

- Introduced for the first time AI exhibition in college Fest Invicta (Techno-Cultural-Design fest (2020)), Created 10+ mini-projects for demo.

Volunteer in Jagrati

- Jagrati - An Initiative of IIIT'ians. It is an organization striving forward to impart free education to poor underprivileged children of nearby villages.
- Taught 100+ students, Mathematics and Science

TECHNICAL SKILLS

Computer Vision, Image Processing, Machine Learning, Deep learning, MySQL, Web Scraping, Web Development, Robotics, NLP

LIBRARY/Framework/LANGUAGES

Python, OpenCV, Keras, TensorFlow, Pandas, PyTorch, Django, Scrapy, NLTK, Seaborn, scikit-learn, tflite, Bootstrap, Docker, Hugging Face, REST API, AWS

PLATFORMS AND MISC

Anaconda, Spyder, Jupyter Notebook, Google Colab, Sublime, VS Code, Unity (Vuforia SDK), Git, Kaggle Notebook

HARDWARES

Jetson Xavier, Coral Dev Board, Raspberry Pi, Arduino and its Modules, NodeMCU, Atmega

CERTIFICATES

[DeepLearning.AI Tensorflow Developer](#)

[Browser-based Models with Tensorflow.js](#)

[Natural Language Processing with Classification and Vector Spaces](#)

EDUCATION

B. Tech Mechanical Engineering Indian Institute of Information Technology Design and Manufacturing Jabalpur
CPI - 7.5 (2017-2021)

LANGUAGES

Hindi (Native Language)
English

INTERESTS

Travelling, PC Games, Astronomy, Video Editing, Anime