Dixit Prajapati

Linkedin: linkedin.com/dixit
Github: github.com/dixitbharat

Email: dikshprajapati94@gmail.com
Mobile: +91-9799981642

EDUCATION

MIT ADT University, School of Engineering — Pune, India
Bachelor of Technology - Computer Science and Engineering (Intelligent Systems) — *July 2019 - June 2023*

Courses: *Operating Systems, Data Structures and Algorithms, Advanced Data Structures, Design and Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Data Science, Deep Learning, Big Data Analytics, Cloud Computing, Data Communication, Computer Networks, Database Management Systems, Operations Research, Information Security*

SKILLS SUMMARY

- **Languages**: C/C++, Python, Bash, SQL, CUDA
- **Frameworks**: Numpy, Pandas, Scikit Learn, TensorFlow, PyTorch, Matplotlib, Hadoop
- **Cloud Service**: Google Cloud Platform(GCP)
- **Tools**: MySQL, Notion, VSCode, Sublime
- **Platforms**: Linux, Ubuntu, Web, Windows
- **Soft Skills**: Leadership, Event Management, Writing, Public Speaking, Time Management

EXPERIENCE

Skylark Labs Inc. — Pune, India
Machine Learning Engineer — *Feb 2023 - Aug 2023*

- **Data Analytics**: Developed custom algorithms and machine learning models to detect anomalous behavior and derive meaningful insights.
- **Computer Vision**: Object Detection (YoloV8), Object Classification (YoloV8), Object Tracking (Centroid Tracking), Person Re-Identification for security and surveillance, Synthetic Data Generation and Data Augmentation
- **Model Building**: Implementing transfer learning and other techniques to improve the performance of the model with the data generator provided by the data pre-processing team, Hyperparameter Tuning and Optimised the model.
- **ML Operations**: Deployed cumbersome deep learning models on cloud as well as on remote servers(GPUs)

RMgX Technologies LLP — Gurugram, India
Machine Learning Engineer Intern — *Dec 2022 - Feb 2023*

- **Data Anaytics**: Sports Analytics - Led a project focused on analyzing badminton game data to provide insights for badminton match.
- **Computer Vision**: Object Detection using YoloV5 and YoloV7. Used Different methods to detect moving objects such as Frame Differencing.
- **Model Building**: Spearheaded the development of predictive models to forecast badminton match outcomes based on historical data.

ACADEMIC PROJECTS

- **Image Classification using Knowledge Distillation (Computer Vision)**: (Completed) Transferring the knowledge from teacher's (parent) model to student's (child) model and train the student model with less computational cost. Dataset Used was FOOD101 Dataset. Improved the performance upto 30 percent.Technologies Used - Tensorflow, Google Colab, keras, Python and Matplotlib.
- **Abstractive text summarization using Transformer Architecture (Natural Language Processing)**: (Completed) AI model for summarizing the long text into smaller paragraphs which can explain the abstraction or context of the original text. We used transformer model architecture. Dataset - Inshort News on Kaggle Platform. Improved the accuracy upto 50 percent.Technologies Used - HTML, CSS, JavaScript, Django, Python, Tensorflow, ScikitLearn, Pandas, Numpy.

CERTIFICATES

- Fundamentals of Accelerated Computing with CUDA Python and C/C++ by NVIDIA - August, 2022
- Deep Learning Specialization by Andrew Ng
- CS-229 (Machine Learning) by Stanford University
- CS-230 (Deep Learning) by Stanford University
- Python Programming Masterclass on Udemy
- Fundamentals of Accelerated Computing with CUDA Python and C/C++ by NVIDIA - August, 2022
- Data Science wtih Python by Ethical Edufabrica Pvt. Ltd
- Python Programming by Microsoft Technology Associate - Jan, 2020

VOLUNTEER EXPERIENCE

Student Community Member at Edufabrica — Pune, India
Conducted offline workshop at VIT, Pune. — *Jan 2019 - February 2019*

Race Car Design at MIT WPU — Pune, India
Part of offline workshop at MIT World Peace University, Pune — *August 2019*