JAYANT DUNEJA

Seeking Internships for Summer 2024

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EDUCATION

Master's in Computer Science Graduating May 2025
University of Colorado Boulder, Boulder, Colorado
B.Tech(Honors) in Electronics and Communication Graduated in May 2022
International Institute of Information Technology , Hyderabad, India 8.86 GPA
Dean's List Award for Academic Excellence for 3 semesters

EXPERIENCE

Walmart Global Tech, Bangalore, India: Software Engineer II July 2022 – July 2023

- Developed an event-driven architecture for data pipelines using Java, SpringBoot and Google PubSub which helped automate $\sim$75 workflows. Added unit and integration tests employing technologies like Junit and Sonarqube.
- Designed and implemented pipelines within Azure Data Factory to facilitate simulation of ETL (Extract, Transform, Load) processes.

Walmart Global Tech, Bangalore, India: Software Engineering Intern May 2021 – July 2021

- Worked in the Customer Experience Team focusing on providing a one stop solution to business for transaction related communication across all channels.
- Developed and tested a Command Line Interface tool in Python to reduce lookup time and automate examination of error logs on Splunk Dashboard utilizing API Calls; Was awarded with PPO based on performance.

CVIT, IIIT-H, Hyderabad, India: Undergraduate Researcher Jan 2022 – Oct 2022

- Worked on improving the pipeline for generating bounding boxes of MeronymNet, a controllable multi-category object generation model utilizing Computer Vision Techniques.
- Conducted various experiments by altering the existing structure of the model, introducing new losses, and tuning various hyper-parameters to obtain better accuracies.

ACADEMIC PROJECTS

Large Prime Generator Spring 2022

- Built a prime number identifier by creating a server for computation and a dynamic set of workers to test primality using the Rabin-Miller test and multi-processing library in Python.

Image Style Transfer Spring 2021

- Transferring the style of a reference/style image in one domain to another image, to 'paint' the input image in the reference image's style, through Deep Learning.

Manga Colorization Fall 2020

- Constructed a novel colorization technique to propagate color over regions exhibiting pattern continuity and intensity continuity for manga comics leveraging Python, OpenCV and Numpy.

SELECTED PUBLICATIONS

English-Hinglish : An MT approach for translation of code mixed data WMT 2022

OTHER WORK EXPERIENCE

IIIT, Hyderabad: Teaching Assistant Aug 2021 – Nov 2021

- TA for the Digital Image Procesing course for 35-40 undergraduate engineering students

TECHNICAL SKILLS

Programming Languages: Python, Java, C/C++, Javascript,Bash,Matlab
Tools/Frameworks: SpringBoot, Node.js, React.js, OpenCV, Numpy,Kubernetes, Docker, Git, Sonarqube, Google PubSub, Apache Pulsar, Concord, Looper, Linux, Google Cloud Platform, Azure Data Factory, Airflow, Splunk