Gaurav Bansal

Software Developer

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LINKEDIN | GITHUB

EDUCATION

THAPAR INSTITUTE OF ENGINEERING AND TECHNOLOGY   2019 - 2023
ELECTRONICS AND COMPUTER ENGINEERING B.E.   Patiala,India
CGPA: 7.88

THE CENTURY SCHOOL   2018 - 2019
HIGHER SECONDARY CERTIFICATE   Karnal,India
Percentage: 86.7%

DELHI PUBLIC SCHOOL   2016 - 2017
SECONDARY SCHOOL CERTIFICATE   Karnal, Haryana
CGPA: 10

EXPERIENCE

PLAYSHIFU | SDE - COMPUTER VISION   Bengaluru, India | July 2022 – Present

- Leading the development and maintenance of a real-time detection pipeline for multiple gaming kits, employing machine learning algorithms. Integrated these solutions seamlessly using OpenCV and Unity software to ensure optimal performance.
- Development of an object detection model utilizing YOLOv3 and image classification models within the TensorFlow framework. Managed the entire lifecycle of machine learning models, demonstrating proficiency in model training, optimization, and deployment.
- Utilizing Python scripting for the purpose of dataset generation and augmentation, as well as process automation. Demonstrated expertise in leveraging scripting capabilities to enhance efficiency in various aspects of data handling and workflow automation.
- Contributed to AR development using the EasyAR SDK Unity plugin. Provided support for custom camera settings using native toolkits, enhancing the user experience and functionality.
- Engaged in a research project on 3D model placement and interaction in real-time environments, pioneering spatial computing and user interaction advancements using MediaPipe framework in Unity.

ARTENAL | SDE - COMPUTER VISION INTERN   Vancouver, Canada | August 2021 – Februray 2022

- Algorithm development for multiple object detection and tracking pipeline for real-time application. Worked on Data Analysis, Data Labelling, Model Training and Hyperparameter Tuning in python. Also, worked on application development.

FLYNOVATE | SDE - COMPUTER VISION INTERN   New Delhi, India | May 2021 – Februray 2022

- Development of Deep Learning model for object detection of thermal solar panel and labeling process automation using python.

SKILLS

PROGRAMMING LANGUAGES	Python, C#, C++
LIBRARIES/FRAMEWORKS	TensorFlow, OpenCV, Scikit-learn, Numpy, Pandas, Flask
TOOLS / PLATFORMS	Docker, GIT, MLflow, Unity, AWS Sagemaker

CERTIFICATIONS

- Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning
- Neural Networks and Deep Learning
- Deploy Models with TensorFlow Serving and Flask
- Perform Real-Time Object Detection with YOLOv3

HONORS & AWARDS

- National Winner of MANTHAN'21 in Advanced Object Identification for Images as Organized by AICTE,MoE,BPRD
- Hackathon Elan & nVision22 Runner up held by IIT Hyderabad
- National Finalist of Smart India Hackathon 2022 Organized by Government of India,AICTE