

Karan Prasath S

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EDUCATION

ST. Xavier's College (Autonomous)
Master of Computer Science (CGPA:7.84)

Tirunelveli, TN
July 2021 – May 2023

ST. Xavier's College (Autonomous)
Bachelor of Computer Science (CGPA:6.72)

Tirunelveli, TN
June 2018 – May 2021

EXPERIENCE

ML Data Associate -AGI

Chennai, TN

Amazon Development Center India

Aug 2023 – Aug 2024

- Collaborated seamlessly with machine learning engineers to meticulously annotate and label extensive datasets, ensuring the creation of high-quality training data crucial for model development.
- Actively participated in cross-functional collaboration, translating project requirements into actionable insights to drive improvements in machine learning models.
- Served as a subject matter expert for manual testing, contributing to the development and optimization of standardized operating procedures by writing test cases.

PROJECTS

Online parking System: HTML/CSS, BOOTSTRAP, PHP, MYSQL

January 2021 – April 2021

- Developed a full-stack web application that views list of parking spaces in metropolitan's cities.
- Utilized Bootstrap and MYSQL database to create a responsive user interface that allows users to upload parking images, locations, and track their progress

Hostel management System: HTML/CSS, BOOTSTRAP, PHP, MYSQL

June 2022 – August 2022

- We analyzed Incorporated's robust reporting and analytics functionalities, allowing administrators to generate real-time reports on hostel occupancy, financial transactions, and other key metrics, facilitating data-driven decision-making.
- Implemented automation features within the system to streamline administrative tasks, such as room allocation, fee collection, and attendance tracking, resulting in increased operational efficiency.

Video Object detection: Python

January 2023 – April 2023

- The development and implementation of a robust Video Object Detection System, demonstrating expertise in computer vision and deep learning technologies.
- Our system has a real time object detection of that includes tracking objects, video surveillance, and it can be used in self-driven cars
- We used Python 3.7 and various modules such as OpenCV, NumPy, Pandas and object detection algorithms such as YOLO (you only see once) enhancing the system accuracy and real time performance.
- Our system offers a fast and accurate real time alert system to notify users of detected object improving situational awareness and enabling facilitating timely reaction to potential security incidents.

TECHNICAL SKILLS

Languages: C, Java, Python, SQL (MySQL), HTML/CSS, JavaScript, Excel (Macro)

Robotic Process Automation: UiPath automation

Developer Tools: Git, VS Code, Jupiter notebook.

Libraries: Pandas, NumPy, Matplotlib.

Testing: Manual testing, Data verification, Regression Testing, debugging, troubleshooting.

PERSONAL DETAILS

Languages Known: English (Working Proficiency), Tamil (Native Speaker)

