Ganni Koushik

koushikganni@gmail.com • +91 8328082056 • linkedin.com/in/koushik-ganni

Education

IIT Kharagpur
Bachelor of Technology, Major in E&ECE, Minor in CSE. CGPA: 8.64   07/2017 - 07/2021

Experience

Amazon Development Center   Hyderabad
Sofware Develeopment Engineer - II   Dec 2023 – Present

- Developing capabilities to identify user behavior patterns on a labeling platform, aiming to detect policy violations more effectively
- Led the development of a robust tool for image data annotation, facilitating the efficient labeling of customer-opted assets. This initiative played a pivotal role in advancing model training processes and supporting a critical AWS re:Invent announcement, enabling the labeling of over 1500 customer-opted assets within just one month.
- Led the development of tooling for video-based annotation, expanding annotation capabilities to diverse data types and contributing to the enrichment of the annotation process.
- **Technologies used:** React, JavaScript, AWS DDB, SNS, SQS,

Amazon Development Center   Hyderabad
Sofware Develeopment Engineer - I   July 2021 – Nov 2023

- Innovated and created a Workflow Builder for LLM use cases, responding to a surge in customer requests. Responsible for both frontend and backend development, this solution empowered customers to construct their workflows, reducing the Time-to-Adopt (TAT) for new workflows from 2 weeks to just 1 day.
- Engineered a comprehensive tracking capability for unit-level metrics in image annotation, covering aspects such as bounding box creation and editing. This automation not only enhanced tracking accuracy but also resulted in substantial cost savings, eliminating the need for manual effort and saving 13K Dollars per Month.
- Created a system health tool to proactively notify stakeholders of any decline in data quality. This initiative enhanced data reliability and contributed to the overall integrity of the system.
- **Technologies used:** React, Java, Python

Amazon Development Center   Hyderabad
Sofware Develeopment Engineer Intern   June 2020 – Aug 2020

- Implemented a robust log aggregation system using AWS Kinesis for efficient data ingestion and Amazon S3 for centralized storage. Reduced memory strain on hosts while ensuring scalability and reliability.
- Helped in replacing the legacy service with enhanced security and scalable service.
- **Technologies used:** Java, Kinesis, S3

Projects

Brain Controlled Wheelchair with Environmental Contextual Feedback   March 2020 - Nov 2020

- Developed EEG signal classification models for a brain-controlled wheelchair navigation system. Conducted feature extraction from EEG signals and evaluated various classifiers including SVM, GNB, and LDA to identify the most effective classifier for accurate prediction.
- Achieved 90% accuracy in predicting directional commands based on user thoughts

Visualizer

- Built a fun project which helps to visualize Path finding algorithms and Sorting Algorithms using HTML and JavaScript
- `https://gkoushik.github.io/Visualizer/#/`