SANTU HAZRA

DATA SCIENTIST | AI DEVELOPER | DEEP LEARNING ENGINEER

SKILLS

- PYTHON
- MACHINE LEARNING
  - ✓ Regression Algorithms
  - ✓ Classification Algorithms
  - ✓ Clustering Algorithms
- DEEP LEARNING
  - ✓ Image Classification
  - ✓ Object Detection
  - ✓ Image Segmentation
  - ✓ Pose Estimation
  - ✓ Face Recognition
  - ✓ GAN
  - ✓ LSTM
  - ✓ TTS, STT
  - ✓ Transformer
  - ✓ ViT, DETR
  - ✓ CLIP, DINO, SAM
  - ✓ GPT, Glide, Bloom, LAMA
  - ✓ Stable Diffusion
- REINFORCEMENT LEARNING
  - ✓ Q Learning
  - ✓ DQN
  - ✓ A3C
  - ✓ DDP
- PYTORCH & TENSORFLOW
- MLOPS (Docker, AWS Serverless)

EDUCATION

- **B.TECH** in **ELECTRONICS & COMMUNICATION ENGG**, **WEST BENGAL UNIVERSITY OF TECHNOLOGY**

CERTIFICATION

- **Wiley Certified Data Scientist, Credential ID:** CZN-CDS-BAN-210819004
- **Extensive Vision AI program** from [The School of AI]

CAREER SUMMARY

- I am a skilled **AI Engineer,** with experience working on a **Humanoid Robot**, I have a unique combination of skills that allow me to create intelligent systems that improve human-robot interaction.
- My expertise in **Computer Vision** and **NLP** positions me to design, build, and deploy **AI** and **ML** models in production environments, and I am always eager to stay up-to-date with the latest developments in these fields.

EXPERIENCE

Current Organization: Machani Robotics (Feb 2020-Present)

- **Humanoid Robot**
  - **Objective:** Led the development of the NLP pipeline for a humanoid robot, responsible for creating and integrating natural language processing algorithms to improve human-robot interaction. Deployed the NLP pipeline in a production environment, and worked with different users to fine-tune the performance of the robot based on real-world usage.

Past Organization: Cognizant Technology Solution (Apr 2015 – Jan 2020)

- **Customer Retention Analytics**
  - **Objective:** Detect possible future churn customers so that client can design promotional strategies to retain them, which will help to increase overall revenue.
- **Customer Acquisition Analytics**
  - **Objective:** Prioritize customer that can generate high revenue from all the potential leads. By doing this, client can efficiently utilize resources to prioritize the high revenue generating customers and approach them for business.
- **Customer Sentiment Analytics**
  - **Objective: D**iscover insights into consumer reviews of specific products and assist with machine learning models.
- **Distracted Driver Detection**
  - **Objective:** Client wanted to improve these alarming statistics, and better insure their customers. Given a dataset of 2D dashboard camera images, client wanted to classify each driver's behavior.

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