DAKARE AMEY AJIT

Address: Denenchofuhoncho 7-20 Mori kata, Ota-ku, Tokyo 145-0072
Phone: 080-9875-2627
Date of Birth: 15th August 1996
Nationality: Indian
Email: ameydakare15@gmail.com

EDUCATION

2019 - 2021
Bachelor Degree of Systems and Control Engineering,
Tokyo Institute of Technology

2016 - 2019
Associate Degree of Mechanical Engineering,
Kurume National Institute of Technology

2015 - 2016
Japanese Language Diploma,
JASSO Tokyo Japanese Language Education Center

INTERNSHIP EXPERIENCE

08/2017 - 09/2017
Short-term Intern at Nippon Steel Plant Designing Corp.
Responsibilities:
- Design of a cart for transporting hot steel from the blast furnace to the converter.

05/2021 – Now
AI Engineer, Babel Inc.
Responsibilities:
- Create AI bots to participate in online meetings and perform tasks such as speaker diarization, transcription.
- Perform video analysis for online meetings using image recognition techniques.

HONOURS AND AWARDS

- Japan Government- Monbukagakusho (MEXT) Scholarship for 6 years
- Received the Hatakeyama Prize from the Japan Society of Mechanical Engineers for year 2018
- Department topper (1st rank) in 3rd, 4th, 5th year of associate degree in Kosen

CERTIFICATIONS

- TOEFL- 100 (2020)
- Japanese Language Proficiency Test JLPT N1
- TOEIC- 945 (2018)

PROJECT EXPERIENCES

- Experience in computer vision, deep learning, and machine learning especially Multi-class classification, SLAM, 3D Reconstruction, etc.
- Strong understanding of deep learning, CNNs, and experience with industrial applications of CNNs.
- Construction of an autonomous robot (line trace robot) that follows lines embedded in the floor.
- Experience in automating applications such as AI bots that automatically join and record meetings & deploying to this service to servers.
- Experience working on speaker diarization using image processing and character recognition using OCR.
- Design of a cart to transport hot steel from blast furnace to converter.

Skills		Experience	Skills		Experience
OS	MacOS	1year+	Frameworks	PyTorch	1year+
	Windows	9 years+		TensorFlow	1year
	Linux	2 years+	DevOps Tools	Docker	1year+
Programming Languages	Python	6 years+		Kubernetes	3months+
	Node.js	1 year+	Other Tools	GitHub	1year+
	MATLAB	2 years+		MS Office	8year+
	JavaScript	1 year	Cloud Services	GCP	3months+
	C/C++	2 years+			

PAST RESEARCH WORKS

1. CNN-Based Parts Classification for Camera Localization in Pipe Network at Tokyo Institute of Technology (2020)
2. Construction and evaluation of a bilateral control system using a parallel link mechanism at Kurume National Institute of Technology (2018)

AMBITION AND FUTURE GOALS

I would like to contribute to the advancements in the field of Computer Vision and Autonomous Driving by utilizing my knowledge of Robotics and AI that I have gained so far from Mechanical and System Control Engineering.

ADDITIONAL SKILLS

- Team skills: Co-creation, Decision Making, Teamwork
- Social Skills: Cooperation, Empathy, Ethics, Responsibility, Trustworthiness