

Yash Dusing

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EDUCATION

VEERMATA JIJABAI TECHNOLOGICAL INSTITUTE

B-TECH IN INFORMATION
TECHNOLOGY

Expected May 2020 | Mumbai, IN

SCALER ACADEMY

Expected May 2020 | Mumbai, IN

RESEARCH

CARBON CREDITS ON BLOCKCHAIN Feb 2020

Research paper for 'Carbon Credits on Blockchain' accepted at 'The International Conference on Innovative Trends In Information Technology' (ICITIIT-20) Conference.

SKILLS

PROGRAMMING LANGUAGES

Proficient:

C • C++

Comfortable:

Java • Python

Familiar:

HTML • CSS • JavaScript • Shell •

Matlab • MySQL • \LaTeX

FRAMEWORKS AND TOOLS

Frameworks and libraries

AngularJS • Django • OpenCV •

ReactJS • Ionic • Pygame

Devops/Cloud

Docker • Kubernetes • AWS • GCP •

Travis CI

Others

Blockchain • Slack API • SendGrid API

Celery Worker • Redis • Dramatiq worker

• ElasticMQ

LINKS

Github:// [yashdusing](https://yashdusing.github.io/)

LinkedIn:// in/yashdusing

EXPERIENCE

GOOGLE CODE-IN | STUDENT MENTOR

Oct 2018 – Dec 2018 & Nov 2019 – Jan 2020 | CloudCV

- Helped students develop functionality for web-based neural network visualisation web-app project - 'Fabrik' based on Django and ReactJS.
- Designed tasks, scenarios and unit tests which had a strong focus of shifting from Celery worker to Dramatiq worker with ElasticMQ for 'EvalAI' - an open-source web platform for AI challenges.
- Solved the issue where Celery worker used to stop working on Development environment due to its incompatibility with ElasticMQ.

IMAGING SYSTEMS LABORATORY | RESEARCH INTERN

May 2019 – July 2019 | Changwon National University, South Korea

- Worked on non-machine learning methods to synthesize HDR image from a single exposure image using inverse tone mapping.
- Used fusion based techniques to form the final HDR image
- Worked on Low-resolution Face Recognition using image super-resolution.
- Achieved a 'CEIQ' score that was better by 10 % as compared to other non-machine learning methods.

ACTIVITY

2020	145th/3000 (India)	Google Hash Code
2020	Research	'Carbon Credits on Blockchain' accepted at ICITIIT-20
2019	14th/98	ICPC Asia Kanpur Preliminary Online Contest
2019	35th/128	ICPC Asia Gwalior-Pune Regional Contest
2018	Certification	Google Code-In Mentor 2018
2018	Certification	Coursera Deep Learning Specialization
2017	2nd/30	SRA Blind Maze Robot Challenge
2016	Academics	Scored 84.77 % in HSC.
2014	Academics	Scored 90.2 % in SSC.

PROJECTS

CARBON CREDITS ON BLOCKCHAIN Dec 2019

Created an Ethereum-based Carbon Trading Platform which aims to demonstrate the trade and consumption of carbon credits on blockchain by using smart contracts to track the origin and path of carbon credits starting from issuance by the Certificate Authority and ending at consumption/retirement.

EVERYTHING VJTI Aug 2019

Designed an all stop django web portal for the students of VJTI with features for notices, pointer calculation and academics. Before this project, pointer calculator was available only as an Android application. For the final step, containerised the application with Docker.

NO MORE FAKE NEWS ! Feb 2019

Proposed & developed a django based fake news detection system using techniques from the domains of Blockchain and Machine Learning to detect and stop fake news in TechNext 2019's hackathon.

POCKET TANKS CLONE July 2017

Developed a pocket tanks clone complete with terrain destruction on impact with the help of Pygame library.