

YASHVI GULATI

Computer Science Engineering Student

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EXPERIENCE

#IamRemarkable Facilitator

Mar 2019 – Ongoing

- #IamRemarkable is a Google initiative empowering women and underrepresented groups to celebrate their achievements in the workplace and beyond. My duty involves to improve self promotion motivation and skills in women and underrepresented groups and challenge the social perception around self promotion.
- Took the session at IWD Summit in Bharati Vidyapeeth's College of Engineering.

Vice Chairperson

BVPIEEE Computer Society

July 2018 – Ongoing

- I handle external and internal affairs, conduct workshops and mentor 60+ students on WebD, DL & Android Development. I have successfully organized competitions and sessions to boost the society reach at an inter-college level.

Founder and Co-Chair of Conference: Innovicon

BVPIEEE

2-3 Feb 2019

- Innovicon was a two day technical conference on AI and Data Science. I built the conference website and successfully managed the event with over 80 attendees and 18 speakers from various academic and professional networks.

Summer Research Intern

IIT Delhi

June 2018 – Aug 2018

- Worked on creating, studying and benchmarking of an Indian road dataset
- Annotated 8 different classes of objects in highly dense environments, studied the dataset and benchmarked and optimized state of art Deep Learning detectors like SSD(Single Shot Detector) and YOLO v3 (You Only Look Once).

Deep Learning Instructor and Coordinator

BVCOE

March 2018 – May 2018

- Organized a 14 workshop series as an instructor to 50+ students.
- Taught and worked on concepts like- Multi Layer Perceptrons from basic numerical computation and CNNs using Tensorflow.

Creativity and Designing Executive

BVPIEEE

Aug 2017 – July 2018

- Duties involved designing posters for various workshops and events conducted by BVPIEEE.
- Managed a volunteer team in the design division and mentored digital content creation using Photoshop, Vegas Pro, CorelDraw.

EDUCATION

Computer Science Engineering, B.Tech

Bharati Vidyapeeth's College of Engineering, GGSIUP University

2016 - 2020

Cum.CGPA: 8.13

New Era Public School

Mayapuri, New Delhi

Grad. 2016

AISSCE, CBSE Board (XII), PCMBE : 90%
AISSE, CBSE Board (X), CGPA: 9.2

COURSEWORK

Trainee

IIT Delhi

Dec 2017 - Jan 2018

- Neural Networks (MLPs, CNNs, RNNs, RCNN)
- Image Processing & Computer Vision
- Plant Seedling Classification (Kaggle)

Online Course

Udemy

Jan 2019

- Web Development
- HTML, CSS, JS, JQuery, Bootstrap, PHP, MySQL

SKILLS

General

Hard-working

Motivator & Leader

Creative

Technologies

Web Development

Neural Networks and Deep Learning

Competitive Coding

Android App Development

Adhoc Networking

Graphic Designing

Ethical Hacking

HONOR & AWARDS

Grace Hopper Celebration 2018 Google Grant Google India

The Grace Hopper Celebration India is Asia's largest gathering of women technologists. It is produced by AnitaB.org and presented in partnership with ACM India. A fully funded travel grant has been awarded to selected WTM finalists to attend GHCI 2018 to be held in Bangalore, India by Google India.

PROJECTS

Path-Planning Using UAVs

 Feb 2019

An algorithm for Drone to autonomously traverse and find a path in constrained environment using Overhead Camera and PID tuning on computer through realtime whycon positioning and built corresponding emulation on V-REP

Multi Object Tracking

 Oct 2018

Worked on existing methodologies for tracking and surveyed their results on different datasets for SORT, IOU Tracker and DeepSort algorithm.

FOS: Fire SOS System

 Sept 2018

Fire SOS system is a real-time fire information system, which combines satellite data, dispatching of drones for fire coverage and pedestrian spread inference with ML and crowd sourced data via Android App to facilitate path planning for rescue operation faster.

Plant Seedling Classification

 May 2018

Achieved a baseline accuracy of 40% on the training as well as the validation data using CPU computation and a 3 layered CNN model.

Cryptosystem Identifier Using Back Propagation Neural Network

 May 2018

Achieved an accuracy of 80%.

Scene Text Recognition

 Apr 2018

Built a modality for making a Scene Text Recognition for direction boards on the roads in a number of languages. The system approaches the problem using Deep Learning STR and localization approaches and includes robustness as the constraint.

Traffic Sign Classifier using CNNs

 Jan 2018

A comparative study was done over 62 different classes to achieve a baseline classification result.

REFERENCES

Abhishek Gagneja : Assistant Professor

@ BVCOE, Contact Number: +91 9971122557

✉ abhishek.gagneja@bharativedyapeeth.edu

Dr. Kirti Gupta : : Head of CSE Department

@ BVCOE

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Programming

Proficient

HTML CSS C C++ Python
JavaScript JQuery Tensorflow

Mediocre

Java Android MATLAB OpenCV
Keras

Softwares Used

Adobe Photoshop Android Studio
Arduino IDE Blender
Sony Vegas Pro 14.0 Latex VREP
ROS

Extra-curricular and Hobbies

Swimming Badminton Drawing
Gaming (Counter Strike) Cricket
Debating (2nd position in school zonals)
National Service Scheme(NSS) Core Member

LANGUAGES

Hindi - Native Proficiency

English - Prof. Proficiency

CERTIFICATIONS

Event Coordinator- Technovation: Project Exhibition

BVPIEEE

 Mar 2018

Reviewed technical projects for initial screening, managed publicity and form data & coordinated the networking with teams and mentors.

Design Head- Fervour 2018

BVPIEEE

 Mar 2018

My duties involved designing several posters and creative content for the annual technical fest

Information Security and Ethical Hacking

Cybercure Technologies Pvt. Ltd.

 Dec 2016

Completed two levels (CISS V1 and CISS V2) of Ethical Hacking which included discussion of Viruses, Buffer Flow Attacks and implementation of concepts such as Hacking E-Commerce, Android App Security Testing etc. in 17 days.