Yashvi Gulati

Computer Science Engineering Student

Address
B-10 Tagore Garden,
New Delhi 110027,
India

Contact No.
+91 9999610211

Mail
yashvi.gulati
@gmail.com

Social Links
linkedin.com/in/
yashvi-gulati

github.com/
YashviGulati

Skills

General
•Curiosity •Consistency •Creative Approach •Software Development

Technologies
•Neural Networks and Deep Learning •Android App Development •Adhoc Networking •Graphic Designing •Ethical Hacking

Programming
Proficient
•C •C++ •Python •Tensorflow(Library)
Mediocre
•Java • Android •MATLAB •OpenCV(Library)
Familiar
•Keras(Library) •HTML

Experience

01/18 - Now **Research Intern** — IIT Delhi
•Working on a research project- Scene Text Recognition in dynamic Indian Road Scenario using Deep Learning Methods to build a comprehensive system to increase road safety.
•My duties involve development and debugging of code for various submodules in the project and making them ready to run on a GPU for training.

08/17 - Now **Creativity and Designing Executive** — BVPIEEE
•Tasks involve designing posters for various workshops and events conducted by BVPIEEE.
•Managing a volunteer team in the design division and mentoring them to learn digital content creation

10/16-Now **Core Team Sub-Head- Volunteering** — BVCOE- NSS
•Duties involve Designing posters and doing social work as well as managing team of volunteers (60+ students)

12/17 - 01/18 **Winter Trainee** — IIT Delhi
•The training was conducted under EE dept. (Dr. Brejesh Lall), IIT Delhi and was on Deep Learning. ANN implementation was done using basic mathematics, while CNNs, RNNs(SRNs, LSTMs and GRUs) were implemented using Tensorflow and Keras.

Education

2016-2020 **Bharati Vidyapeeth's College of Engineering** — College
B.Tech, Computer Science Engineering Cum.CGPA: 7.797

Grad. 2016 **New Era Public School** — School
AISSCE, CBSE Board (XII) **Percentage: 90%**

Certifications

Mar 2018 **Event Coordinator- Technovation: Project Exhibition** — BVPIEEE
•My duties involved reviewing the technical projects for initial screening and evaluating various parameters & managing the networking with other teams as well as with mentors for the project reviewing process

Mar 2018 **Design Executive- Fervour 2018** — BVPIEEE
•My duties involved designing several posters and creative content for the annual technical fest

Oct 2017 **Participation in IEEE Xtreme 10.0** — IEEE
•IEEE Xtreme is a 24 hour competitive coding hackathon held internationally.

Oct 2016 **Information Security and Ethical Hacking** — Cybercure Technologies Pvt. Ltd.
•Discussion of basics of Ethical Hacking and implementation of concepts such as Software Reverse Engineering, Mobile Hacking.
•2 Day long training workshop- CISS V1

Softwares Used

•Adobe Photoshop CS6 and CS Lite
•Android Studio
•Arduino IDE •Blender
•Sony Vegas Pro 14.0
•Latex •MATLAB

Languages

•**Hindi**- Native Proficiency
•**English**- C1 Proficiency

Extra-curricular and Hobbies

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

Dec 2016 **Information Security and Ethical Hacking** Cybercure Technologies Pvt. Ltd.
•Discussion of Viruses, Buffer Flow Attacks and implementation of concepts such as Hacking E-Commerce, Android App Security Testing etc.
•15 Day long training workshop- CISS V2

Projects

Ongoing **Scene Text Recognition**
•Currently working as an intern at IIT Delhi.
•Building a modality for the Automated Road Scenario Enhancement in India which includes two diverse set of works. The modality is 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.
•The second role includes doing the annotations and collection and cleansing of data to make a comprehensive Indian Roads Dataset.

Jan 2018 **Cats vs Dogs CNN Classifier**
Achieved an accuracy of 92 percent using 3 layered CNN. Different Kernel Sizes and Optimisers were used to do the comparative analysis. Implementation was done using Tensorflow on Python

Jan 2018 **Traffic Sign Classifier using CNNs**
A comparative study was done over 62 different classes to achieve a baseline classification result.

Dec 2017 **English to Hindi Translator using Sequence to Sequence deep learning model**
Used LSTM(Long Short Memory Cells) type RNNs

Nov 2017 **Calculator Application using Android**
The project used multiple in app intents for final answer and initial screen and used 2 operand calculations

Oct 2017 **Differential Drive Robot- Wired and Bluetooth Operated**
The robot was made using DPDT switch which steers the robot bidirectionally providing differential turning with wireless capability, using Bluetooth Module HC05.

Sept 2017 **Time Divided Multiplexion based 4X4X4 LED Cube**

Reference

Abhishek Gagneja: Assistant Professor, BVCOE
Contact Number: +91 9971122557
Email Address: abhishek.gagneja@bharatividyapeeth.edu