

DIVYANSH MALHOTRA

Electronics and Communication Student

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India - New Delhi

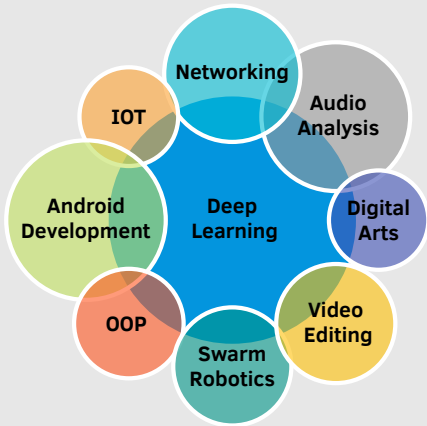
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<http://bit.ly/2p2MgXg>

DivyanshMalhotra

Skills

Technical Skills



Soft Skills



About Me

I am an enthusiastic, imaginative and a full of energy student. I am a person who is open to all ideas, who hears all, analyses the data and then makes his own decisions. My nickname, as anointed by one of my professors, is the compiler because I tend to find the errors and work towards correcting them, not only in codes but also in life. I put my heart and soul into the work that I take up and am always eager to learn new skills everyday so that today, I can outshine my yesterday.

Career Objective:- I am interested in coding and algorithm building. I am developing a strong base in Neural Networks and am fascinated by its future possibilities. Thus, I intend to grow as a developer and see it as my future job.

Education

2015 - Present **BTech., Electronics and Communication** (CGPA: 8.5/10.0) GGSIPU

2014 - 2015 **XII, Non-Medical(PCM-CS)** (Percentage:94.6) AISSCE, India

2012 - 2013 **X, CBSE** (CGPA:10/10) AISCE, India

Experience

June 2018- Present **Research Intern-IIT Delhi**

- I am developing a Neural network based Pedestrian trajectory prediction system for Indian scenarios with input from a camera installed in a moving car.

February 2018- **Smart India Hackathon Hardware edition**
June 2018

- We, in a team of 6 developed a baggage tracking system for users as well as the authorities at the Airports. We came 3rd in the Smart Communication's theme in the CEERI-Pilani centre.

March 2018 - June 2018 **Deep Learning Instructor-BVCOE**

- I am a part of a team which is teaching fellow students to implement deep neural networks using basic libraries and then growing forward.

Sept 2017 - July 2018 **Chairperson-BVPIEEE-CS**

BVPIEEE Societies and Chapters

- I headed the Computer Society of the IEEE chapter in our college. We held workshops and events in relation to the emerging technologies in the field of Computers. The post allowed me to manage a team, interact with students, teach them and learn from them.

Jan 2018 - March 2018 **Event Head- Hacktivate**

Hacktivate

- Hacktivate was a 24-hour development hackathon conducted by BVPIEEE-CS on the occasion of the tenth iteration of BVPIEEE's technical fest Fervour. 25 shortlisted teams were invited to battle it out for the best developed ideas on the themes provided on the day of the event. The event was conducted from March 7, 2018- March 8, 2018.

March 2017 - Aug 2017 **Celestini Project**

Celestini Project India

- In a team of 6, we participated in this competition and developed a driving assistance system. We came first all-over India and won the Paul Barron's Young Scholar Celestini Prize, India. We also did a 2-month summer internship in IIT-Delhi under the second stage of the same.

Programming

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- Java • Python • Keras • TensorFlow
- C • C++ • Android
- Embedded C
- SQL • LaTeX

Projects

Indian Roads Tracking Dataset - A multi-class tracking dataset on the Indian Roads is under development.

BagBuddy - An RFID based approach for tracking and enhancing security of baggage at airports.

Amazon Rainforest Classification - A multi-label classification problem of classifying satellite images of Amazon Rainforest into all the classes suitable from the total 17 classes to decrease physical labour and capital requires for geographical surveys.

Drizy - A driving assistance system using vision and IOT approach through an android application. It helps to avoid pedestrian collisions, collisions on blind intersections, dynamic speed alerts and on-the-road distress call option.

Note Detector - A python algorithm to detect notes in an audio tune.

Swarm Robotics - Implementing communication and path planning between multiple firebirds using xbee protocol to communicate.

D-Charge - We are developing a multi-drone charging and precision landing system.

Self-sustaining house - A prototype of a self-sustaining, eco-friendly house.

Sept 2016 - **Tech and Event Management Executive- GDG-BVP**

Aug 2017

- It involved managing of events, teaching as well as providing tech backup for the Google Developers Group of our college

Sept 2016 - **E-Yantra Robotics Competition**

e-Yantra

March 2017

- We, in a team of 4, got 4th position in the annual robotics competition held by IIT-Bombay under the theme Bothoven.

Certifications

- 3rd prize in Smart India Hardware Hackathon(2018)- Smart Communications theme
- 3rd prize in Homi Bhabha National Innovation Challenge(2018)
- 2-week Winter Training in Neural Networks from IIT-Delhi
- Paul Barron's Young Scholar Celestini Prize India
- 1st prize in Evotech-BVEST(BVCOE)
- 2-month internship from IIT-Delhi
- e-Yantra robotics competition fourth prize winner
- Tech-Executive by GDG-BVP
- Event-management Executive by GDG-BVP
- Android development for Beginners by Udacity(GDG)
- Ultimate Java Development Guide by Eduonix Learning Solutions
- Workshop on Embedded Systems by CETPA
- Embedded Systems Summer Training by Cyborg Labs
- 1- day Competitive Coding workshop by Hackaveda,
- 1- day Git workshop by GDG- BVP

Publications

N. Garg, I. Janveja, D. Malhotra, C. Chawla, P. Gupta, H. Bansal, A. Chowdhery, P. Mukherjee, and Brejesh Lall, "DRIZY- Collaborative Driver Assistance Over Wireless Networks," ACM MobiCom Poster, Utah, USA, 2017.

Extra-Curricular Activities

- Event management and cultural executive for BVCOE NSS(February 2017- April 2018)
- Member of Aagaaz- Music society of BVCOE(September 2015- August 2017)
- Member of Zaahir - Dramatics Society of BVCOE(September 2015 - August 2016)
- Seasoned Debater
- Won second position on the State-level dramatics competition held by Urivi Vikram Charitable Trust (2013)
- Runners-up in the Graffiti competition held in BVCOE(2016)
- Head-boy of the School Student Council(2013-2014)

References

Mr. Abhishek Gagneja
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