Divyansh Malhotra

135, Sec-12, Pkt-2, Dwarkadheesh Apt.
Dwarka, New Delhi, India-110078

☎ +91 9999787021

✉ divyansh.sgs@gmail.com

in divyanshmalhotra

○ DivyanshMalhotra

EXPERIENCE

SIGNIFICANT ACHIEVEMENTS

MARCH 2019 – APRIL 2019

Cognizance - IIT Roorkee

Wheelectrifying - Winner

Our team of 3 developed a method to utilise overhead camera based trajectory prediction approaches using Neural Networks to predict collisions using GPS values through position-to-pixel mapping and won the 1st position in the event.

FEBRUARY 2018 – JUNE 2018

Smart India Hackathon Hardware Edition

Android and Cloud developer

Our team developed a baggage tracking system using RFID for users(using an android application) and the authorities at the Airports. We came 3rd all over India in the Smart Communication's theme and a patent has been filed for it.

MARCH 2017 – AUGUST 2017

Marconi Society and IIT Delhi

Celestini Project Winner

In a team of 6, we developed a driving assistance system. It monitored the cars in accident blackspots using their GPS values and alerted cars of impending collisions using an android app. We won the Paul Baron's Young Scholar Celestini Prize, India for it.

SEPT 2016 – MARCH 2017

IIT Bombay

e-Yantra Winner

We, in a team of 4, got 4th position in the annual robotics competition held by IIT-Bombay under the theme Bothoven. In this, two Firebird-Vs communicated and traversed an obstacle-course to play a tune given to them by striking metal rods across the arena.

JUNE 2018 – AUGUST 2018

IIT Delhi

Summer Research Intern

We developed a pedestrian tracking dataset from a moving car on Indian roads and worked on pedestrian trajectory prediction using neural networks.

MANAGEMENT EXPERIENCE

JULY 2018 – PRESENT

BVPIEEE

Chairperson

I head the student branch of IEEE in our college, BVCOE. I lead a team of 50+ students. We organize workshops, events, seminars, competitions and technical fests in the college. I have organised workshops on **Java, Android, Data Structures** and **Neural Networks**.

DEC 2018 – FEB 2019

InnoviCon

Organiser- InnoviCon

InnoviCon was a 2-day session based AI-themed conference conducted by BVPIEEE. The conference has 4 keynotes,14 speakers and 3 hands-on workshops, one of which was also conducted by me. The event was conducted from February 2,2019- February 3, 2019.

CAREER OBJECTIVE

I aim to work in a reputed organization that gives me the creative freedom to explore my passion of finding innovative solutions to the problem at hand and opportunities to keep myself updated with the latest trends in technological advancements.

EDUCATION

2015 – PRESENT	**B.Tech- Electronics and Communication engineering** 8.29 CGPA (AFTER 3RD YEAR) *BVCOE, GGSIPU*
2014 – 2015	**XII, PCM-CS** 94.6% *CBSE*
2012 – 2013	**X, Matriculation** 10 CGPA *CBSE*

OTHER PROJECTS

* **Meishu** - A drone based pre-rescue system for disasters that helps to establish communication in disaster stricken areas.
* **Dronalyser** - A drone based service to analyse crop fields to calculate NDVI using multispectral imaging.
* **D-Charge** - We are developing a multi-drone charging and precision landing system.
* **Amazon Rainforest Multi-label classification problem** - I implemented a CNN and threshold based model for the same.

PUBLICATION

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

TECHNICAL SKILLS

GOOD LEVEL	Deep Learning, Python, Android (Java + XML), IoT, Firebase, Keras, TensorFlow, Digital Arts, Video Editing
INTERMEDIATE	C, C++, LaTeX, Swarm Robotics, Embedded C, Arduino, Lua
BASIC LEVEL	V-REP, Linux, MySQL, MATLAB

HOBBIES

* Creative Writing
* Digital Arts and Video Editing
* Watching Anime
* Reading novels
* Arts and Crafts
* Listening to music