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# Divyansh**Malhotra**

*Address: Flat -135, Sec-12, Pkt-2, Dwarka, New Delhi-110075*          *Electronics and Communication Engineer*

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. Thus, I intend to grow as a developer and see it as my future job.

## EDUCATION:-

| Course/Examination | Institute/University | Year of passing | Performance |
|---|---|---|---|
| B.Tech, Electronics and Communication Engineering | Bharati Vidyapeeth's College Of Engineering | 2019 | 76.57%(Credited) (up to third semester) |
| AISSCE (SCIENCE-PCM with CS) XIIth | (CBSE) Sachdeva Global School, New Delhi | 2015 | 94.60 %(agg) |
| AISSE Xth | (CBSE) Sachdeva Global School, New Delhi | 2013 | 10 CGPA |

## PROJECTS:-

1. Swarm Robotics
2. Note identification using Python
3. DTMF controlled home automation
4. Developing a vehicle safety and caution system for highways under Celistini (Digital Image Processing) by Princeton University (February 2017- present)
5. Visible Light Communication(October 2016-Present)
6. Line Follower, Differential Drive Robot (Bluetooth Controlled) and other projects using AtMega16 and Arduino
7. Android development  Calculator App that implements DMAS and an Anagrams game
8. A model of a self-sustaining house

## TRAINING AND INTERNSHIP-

- Applied CS with android by GDG-BVP and Google
- 1- day Competitive Coding workshop by Hackaveda
- 1- day Git workshop by GDG- BVP
- Series of Workshops on Arduino by IEEE RAS
- Series of Workshops on Competitive Coding 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
- Undertook an initiative to teach Java in the college

## Technical Skills:-

1. Languages:

   - C++
   - C
   - SQL
   - Java
   - XML
   - Python
   - Embedded C
   - 8085 instruction code
   - LaTex

2. Operating Systems:

   - Windows XP/7/8/10
   - Android

3. Software and Platforms worked on:

   - Microsoft Office
   - Photoshop CS6 and CS5
   - Arduino IDE
   - Audacity
   - AndroidStudio
   - Eclipse
   - Sony VegasPro
   - AfterEffects CS6
   - Microsoft FrontPage
   - OpenOffice
   - Turbo C++
   - CodeBlocks
   - Orcad PSpice
   - AVR Studio 4
   - PROTEUS(ISIS and ARES)
   - XCTU
   - Python 2.x, Python 3.x
   - Autodesk Sketchbook
   - GNU Sim 8085
   - MATLAB
   - ideone
   - DevC++

4. Hardware:

   - Microcontrollers and development platforms: AtMega 16, Arduino, Firebird V
   - Modules: HC05, L293D, ZigBee, RF, GSM, DTMF
   - Sensors: IR, White Line, Sharp, Temperature, Position encoders
   - Actuatuors: DC Motor, Servo Motor

## Research Publications:-

None yet, but am currently working on Visible Light Communication and a Caution system for vehicles at highways.

## Extra-Curricular Activities-

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

## Co-Curricular Activities-

1. Positioned 4th in Bothoven Theme: e-Yantra 2016 (national level robotics competition by IIT-Bombay)
2. Event Management executive and Technical Executive at GDG-BVP (May 2016- April 2017)
3. Event Coordinator at Bet The Code(Hackathon) by GDG-BVP, BVEST 2016 (October 2016)
4. Event Manager at Google Football event by GDG-BVP, BVEST 2016 (October 2016)
5. Event Manager at robotic event (Guardians of Galaxy) at Fervour'16 (April 2016)
6. Second position holder at Junkyard wars,(BVCOE, March 2016)
7. Creative Head at robotic event (Baskets of Hades) in Fervour'16 (April 2016)
8. Publicity Coordinator in Fervour'16 (April 2016)
9. Awarded Student of the Year Trophy by Times Of India(2014)
10. Awarded All-Rounder and Academic Excellance by the School(2014)
11. State level winner in the Science Exhibition held by Govt. of Delhi(Self sustaining house, 2013)
12. State level runners-up in the Science Exhibition held by Govt. of Delhi(Disaster Management, 2012)
13. First Position in all streams, Sachdeva Global School,XII (March 2015)
14. First position in the Sachdeva Global School, XI (March 2013)

## Soft Skills-

1. Good at art as well as Digital arts
2. Confident orator with good listening skills
3. Exemplary writing skills
4. Singing
5. Team Management
6. Event Management
7. Have experience of teaching Java to 50+ students

## Personal Details:-

| | |
|---|---|
| **Father's Name** | *Arun Kumar Malhotra* |
| **Mother's Name** | *Aarti Malhotra* |
| **Sex** | *Male* |
| **Date of Birth** | *September 14, 1997* |
| **Nationality** | *Indian* |
| **Marital Status** | *Unmarried* |
| **Motto** | *No defeat is final, until you stop trying! With pure will even David beats Goliath!* |

## Reference:-

**Mr. Abhishek Gagneja**
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+91 9971122557

**Mr. Mohit Tiwari**
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**Mr. Shivam Bhardwaj**
*Ex-Vice Chairperson (BVPIEEE) Ex-Chairperson (BVPIEEE-RAS) and CTO (REES 52)*
+91 8130844448

**Mr. Manan Arya**
*Ex- Chairperson( GDG-BVP)*
+918800664980

## Code of Life(Compiler- Hard Work):-

```
while(Success!=1)
if(work==hard&&you!=lazy)
  {printf("Success!");
  Success=1;}
else
  printf("Try again");
```

## Declarartion:-

I hereby declare that the above written particulars are true to the best of my knowledge.

Date

*May 24, 2017*