KSHITIJ TOMAR

(M) 98 91 562247 | kshtjtomar40@gmail.com

G-10, S-2, East Jyoti Nagar, Shahdara, Delhi-110032 | DOB: 7th Oct, 1996

Education:

Academic Year	Qualification	Institution	Board/University	Percentage
2014-2018	B.Tech in Electronics and Communication Engineering	Maharaja Surajmal Institute of Technology	GGSIPU, Delhi	70.41% (till 7th Sem)
2013-2014	All India Senior School Certificate Examination (Class 12th)	Greenway Modern Sr. Sec. School	CBSE, Delhi	74.8%
2011-2012	All India Secondary School Examination (Class 10th)	Arwachin Bharti Bhawan Sr. Sec. School	CBSE, Delhi	CGPA 9.2

Technical Skills:

- ✓ Softwares: Android Studio, Arduino IDE, MATLAB, Simulink, Proteus Professional, ARES, Eagle CAD, AutoCAD, XAMPP, WAMP, Adobe Photoshop, Adobe Illustrator, Sony Vegas Pro, Audacity, Unity 3D.
- ✓ Languages: C, C++, Java, HTML5, CSS3, JavaScript, P5*JS, Bootstrap, PHP, MySQL, Python.
- ✓ Platforms: Arduino, Android, Intel (Galileo), Web, Windows.

Industrial Training and Internship:

1. **NPDS Mani Group, Dwarka, Delhi** **(Dec 2017 - present)**
   Working as Full-Stack Web-Dev, Video/Graphic Designer and Content Writer.
2. **Bharat Electronics Ltd., Ghaziabad** **(July 2017 - Aug 2017)**
   6 weeks Internship on Satellite Communication, Antenna and Radio Tx/Rx communication.
3. **Airport Authority of India, New Delhi** **(July 2017 - Aug 2017)**
   4 weeks Internship on Nav-Aids, SMGCS, and VHF.
4. **AnovIP, New Delhi** **(Jun 2017 - July 2017)**
   4 weeks Internship in Intellectual Property sector (Legal Services) for patent searching, bucketing, preparing presentations for search result with taxonomy and graph analysis, and completed 3 different products during the period.
5. **ArCoBotics, Nirman Vihar, Delhi** **(Dec 2016 - Jan 2017)**
   2 weeks Winter training on PCB Designing, Circuit Designing, SMD Soldering with assembly and testing.
6. **Aedifico Tech Pvt. Ltd., Laxmi Nagar, Delhi** **(June 2016-July 2016)**
   6 weeks Summer training on MATLAB and worked upon various toolboxes of MATLAB, like Image Processing, Video processing, Sound processing toolbox and Simulink.
7. **JMoon Makerspace, Janakpuri West, New Delhi** **(Dec 2015 - Jun 2016)**
   Maker Intern, role being to prepare different projects and test different components and sensors available with Arduino.
8. **Click@Career, Dilshad Garden, New Delhi** **(June 2015-Aug 2015)**
   Summer Training in Core JAVA.

Projects Undertaken:

1. Pidilite CP-MNT, Android App for Pidilite's Sales Management (acknowledged by *Pidilite Industries Ltd*).
2. www.swarajindia.org – Full-Stack static website created for the political party *Swaraj India*.
3. www.npdsmanigroup.com – Full-Stack website created for the company *NPDS Mani Group*.
4. www.ieeedsc.in – Full-Stack website created for the event IEEE Delhi Section Congress 2017.
5. Personality Prediction System using CV analysis - Web Application to helps HR shortlisting based on CV.
6. Non- Midi Musical Note-Mapper – MATLAB based FFT Note-Mapper for latest digital musical softwares.
7. Smart Meter (IOT), Real Time Electricity Monitoring using Smart Energy Meter in a LAN Based Network.
8. Car-Parking (IOT), Android App and Web based project, for count-based operation of parking lots in Delhi.
9. Real Time Object Detection and Tracking project on Image Processing using MATLAB.
10. Any-Touch: A Smart Technique to Enable Touch Interface to Old Devices
11. Sonar Based on Mapping System using MATLAB and Arduino Uno.
12. Knock Door Lock System using a knock-sequence algorithm on Arduino Uno.
13. Home Automation, Domestic energy conservation and Green Corridor using Intel Galileo Gen2.
14. Robotic Hand and Arm using Arduino Uno and Servos, mimics wearable glove and sleeve in real time.
15. Digital Resistance Box, a box using Arduino Uno providing virtual Resistance according to the user input.

Publications:
1. "*AnyTouch: Design and Implementation of a Touch Interface for Bluetooth Enabled Personal Devices*" Paper accepted for publication in International Journal for Engineering and Manufacturing, MECS Press.
2. "*Explosion Intensity Measurement using Piezo Element*" Paper published in International Research Journal of Engineering and Technology, Vol. 4, Issue 1, January 2017.

Awards and Honors:
1. First Prize, IEEE MTT-S YouTube/YouKu Video Contest 2016. (Submitted Video: *Offline GPS*)
2. First Position, Inter College Project Presentation Competition, 2017 at MSIT.
3. Second Position, IEEE PES MSIT's October Projects Week.
4. Restricted Licence Holder, Amateur Station Operator's Licence.
5. Second Prize, Robo Rogby (Robotics) in Avensis 2016(Tech Fest of MSIT).
6. Second Prize, Anugoonj 2016 (GGSIPU Fest) for Group Song.
7. Qualified for State Level in IKEN-Scientifica, the National Science and Technology Competition in contribution with National Geographic in 2011.

Position of Responsibility:
1. Google Facilitator for *Applied CS with Android* Program (Session 2017-18)
2. Graphic Designer Member, IEEE Region 10 (Asia-Pacific Region)
3. Graphic Designer Lead, IEEE Delhi Section Student Network (Session 2017-18)
4. Graphic Designer Lead, Avensis 2018 (Tech Fest of MSIT)
5. Graphic Designer Lead, ICON 2017, the annual magazine of IEEE MSIT
6. Public Relations Representative, IEEE MSIT SB (Session 2017-18)
7. Graphic Designer Lead, IEEE CSIS 2017, IEEE Computer Society Chapters of India
8. Graphic Designer Lead, ICON 2016, the annual magazine of IEEE MSIT
9. Graphic Designer Head, IEEE MSIT SB (Session 2016-18)
10. Technical Head, IEEE MSIT SB (Session 2016-17)
11. Technical Coordinator, IEEE MSIT SB (Session 2015-16)

Mentoring and Presentations:
1. Mentored students in INTEL MAKE-A-THON
    a. Intel Makathon, Bawana (classes 6th-10th) (9th Jan - 15th Feb, 2017)
    b. Intel Makathon, Lucknow (over 250 Govt. School girls of classes 8-12) (14th - 16th Sept, 2016)
2. Mentored students in SIG (Self-Interest Group) under IEEE MSIT
    a. Graphic Design SIG   (Mentor)(Founder)(2015-present)
    b. MATLAB SIG   (Mentor)(Founder)(2016-2017)
    c. C/C++   (Mentor)(Founder)(2015-2016)
3. Mentor and Judge, Delhi Finals, Intel Make-a-thon K12 Education Campaign Initiative, 2016
4. Event Head for the event Robo Wars (Robotics) in Avensis 2016 (Tech Fest of MSIT).
5. Trainer for workshop on Manual Controlled Robots during Avensis 2016.
6. Trainer for workshop on Autonomous Robots during Avensis 2016.

Other Experiences:
1. Designer for T-shirts, Posters, flyers, Magazines, Brochures, logos, letterhead, business and ID Cards, etc.
2. UI-UX Designer for many Android and Web Applications.
3. Organised Delhi Student Congress 2017 held at NSIT, Delhi.
4. Represented IEEE MSIT SB and IEEE Delhi Section at multiple congresses and conferences.
5. Organised Technical Project Exhibition 2017 held at MSIT, Delhi.
6. Volunteered in APMC SIGHT Program 2016 sponsored by IEEE MTTS at Hotel Pullman, Aerocity, 2016.
7. Volunteered in event "Shine Rural India with Renewable Technology" organised by IEEE Delhi Section SIGHT at IIT Delhi on 13th December 2016.
8. Technical Coordinator for IEEE MSIT and Prakriti, the eco club of MSIT in 2015-16.
9. Organised Arduino Workshop conducted by JMoon Technologies Pvt. Ltd. at MSIT, 2015.

Other Interests and Hobbies:
- Singing
- Dancing
- Drawing
- Photography
- Graphic Designing
- Gaming

I hereby declare that all the information enclosed by me are genuine and are best to my knowledge.
Date : 22/04/2018   Kshitij Tomar