

Chetan Chawla

I am not a perfectionist , but I do have the will it takes



2 Career Objective

Having happiness and being content in what you do is the most important thing for me. I have a passion for astronomy and astrophysics, thus I would be **working towards joining ISRO** and serving humanity.

3 Educational Qualifications

Course/Examination	Institute/University	Year of passing	Performance
B.Tech, Electronics and Communication Engineering	Bharati Vidyapeeth's College Of Engineering	2019	82.3494 (C) (up to third semester)
AISSCE (SCIENCE-PCMB) XIIth	(CBSE) Kendriya Vidyalaya Tagore Garden, New Delhi	2015	95.00 percent(agg)
AISSE Xth	(CBSE) Kendriya Vidyalaya Tagore Garden, New Delhi	2013	93.10 percent

4 Projects

4.1 Completed

1. Swarm robotics using Serial communication between two Firebird V s (XBee 2.4C)
2. Interfacing Firebird V, eYRC Labs, IIT Bombay(ATMEGA2560)
3. Note Identification System using Audio Processing-Python Based
4. IR based invisible piano(ATMEGA16 platform)
5. Propeller Clock (ATMEGA8)
6. IoT based Door lock system (TI- CC3200)
7. Bluetooth Module Controlled Wireless Differential Drive Bot (HC05)

4.2 Completed-Continued

1. DTMF controlled home automation (Arduino and ATMEGA16)
2. Line follower robot (based on L293D and 7805 only)
3. Hydraulics Arm
4. Motor controlled gear steered bot using DPDT
5. Calculator application for android

4.3 Currently Working On

1. Semi-Automated Car Lane, pedestrian and car avoidance system (Raspberry Pi and DIP). Celestini by Princeton University.
2. HexaPod: Line following/ HC05 interfacing/ Path tracer/ Obstacle detector, avoider and carrier.
3. X-Copter (Quadcopter) using KK2 pilot board.
4. Water purification system using refrigerators
5. Tesla Coils
6. Visible Light Communication(VLC)- Advanced version of LiFi

5 Training and Internships

- Introduction to Java- Workshop series by GDG-BVP [January-March 2017]
- 14 hr. workshop series by Texas Instruments Ltd. On Embedded Systems and Internet of Things[October 2016]
- **Training on Embedded Systems** (Cyborg Labs) [June-August 2016]
- **Android development for beginners** (Udacity) [February-April 2016]
- **Workshops on Arduino based controlling/Robotic workshops(8)** by RAS, BVPIEEE [October 2016-Present]
- Workshops on Competitive Coding by Google Developers Group,BVCOE
- Workshop on Embedded Systems by CETPA Info-tech Ltd. (BVCOE)

6 Research and Publications

1. None as of now

7 Technical Skills

7.1 Programming Languages

- C
- XML for android development
- Python Basics
- Embedded C

7.2 Operating Systems

- Windows XP/7/8/10
- Android

7.3 Software and Platforms worked upon

- Microsoft Office
- Arduino IDE
- Android Studio
- Proteus
- Energia
- TeraTerm
- XCTU
- Sinaprog
- Audacity
- KK multicopter flash tool
- LaTeX

7.4 Others

- Orcad Capture
- AVR Studio
- Blender GUI
- Audio Processing

7.5 Development Boards/Modules

- ATMEGA16
- Arduino Mega(ATMega 2560) and Uno(ATMega328)
- MSP430(LaunchPad)
- CC3200(built in accelerometer)
- Zigbee 2.4C(XBee Comm.)
- HC05

8 Soft skills

1. Fluent in Hindi and English, Hindi being the native language
2. Chapter representative at Robotics and Automation Society, teaching experience to 50+ fellow students
3. Voice overs for Teaching C programming language at a youtube learning channel start-up, Fearless Coding

9 Extra Curricular Activities

- Pianist (PSR-E303 and PSR I425) and Back Vocalist in DhunsatV-The Band, BVCOE (February 2016- Present)
- Event Manager and Coordinator in BVCOE Alumni Meet 2016-17
- Core volunteer and Cultural volunteer at BVCOE- NSS(National Service Scheme) (February 2017-Present)

10 Co-Curricular Activities

1. **Positioned 4th in Bothoven Theme: e-Yantra 2016** (national level robotics competition by IIT-Bombay)
2. **RAS chapter representative** at BVPIEEE RAS (July 2016-Present)
3. **Public Relations Head** at CS chapter BVPIEEE (July 2016-Present)
4. **All India Rank 80 and Region Rank 513** in IEEE Xtreme 10.0 (hackathon) (October 2016)
5. **Event Coordinator** at Propeller Clock workshop by I3Indiya technologies in association with BVPIEEE(October 2016)
6. **Event Coordinator** at Robo Soccer event by BVPIEEE RAS, BVEST 2016 (October 2016)
7. **Event Manager** at robotic event (Guardians of Galaxy) at Fervour'16 (April 2016)
8. **Second position** holder at Junkyard wars,(BVCOE, March 2016)
9. **Technical Head** at robotic event (Baskets of Hades) in Fervour'16 (April 2016)
10. **Publicity Coordinator** in Fervour'16 (April 2016)
11. **Event Coordinator** at CETPA Infotech Ltd. Workshop on Embedded Systems, BVCOE (February 2016)
12. **First Position** in Medical stream, KV Tagore Garden,XII (March 2015)
13. **First position** in science stream, KV Tagore Garden, XI (March 2014)

11 Personal Details

Father's Name-	Mr. Jagdish Pal Chawla
Mother's Name-	Mrs. Chander Kanta Chawla
Sex-	Male
Date of Birth-	13/12/1997
Nationality-	Indian
Marital Status-	Unmarried

12 References

- Mr. Abhishek Gagneja, Assistant Professor, Bharati Vidyapeeth's College of Engineering Contact No.: +91 9971122557
- Mr. Mr. Ashish Kumar, Assistant Professor, Bharati Vidyapeeth's College of Engineering Contact No.: +91 9810955760

13 Declaration

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

14 Date

23/4/2017