

PARTH WADHAWAN

Production and Industrial Engineering
Indian Institute of Technology, Delhi

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ACADEMIC DETAILS

Year	Degree	Institute	CGPA/Percentage
2018-2022	B.Tech in Production and Industrial Engineering	Indian Institute of Technology Delhi	7.824/10
2018	Class XII(CBSE board)	Mayo International School, Delhi	95.8%
2016	Class X(CBSE board)	Amity International School, Noida	10/10

SCHOLASTIC ACHIEVEMENTS AND AWARDS

- **All India Rank of 2750** (amongst 1.5 million students) in IIT Joint Entrance Examination (JEE) Advanced 2018.
- **99.4 Percentile** in Class 12 Senior Secondary Examinations by the Central Board of Secondary Education. (2018).

RELEVANT COURSES

- **Computer Science** - Introduction to computer science, Machine Learning Algorithms in python and R**, Data structures and algorithms**, Harvard's CV50 edx**.
- **Mathematics** - Calculus, Linear Algebra, Differential Equations, Introduction to Statistics*.
- **Others** - Introduction to Chemistry, Electromagnetic Waves, Quantum Mechanics, Physics Laboratory, Chemistry Laboratory, Introduction to Material Science and engineering, Introduction to electrical engineering.
(*To be completed by May'20)(**Online Courses)

INTERNSHIPS

- **AIESEC**

Outgoing Entrepreneur

Feb-July, 2019

- Worked towards the 23 sustainable development goals set by the UN by conducting cross cultural exchanges.
- Attended 3 day leadership development conferences(FLC and JLC)

Corporate Internship

Panasonic

Ghaziabad, India
15 June- 15 July, 2019

- Learned about the functioning of the company.
- Did on field work and contacted distributors.
- Completed a project in "Trade Marketing".

Research Assistant

Fundaa App

Delhi, India
15 May- 15 June, 2019

- The app aimed to provide a platform for college aspirants to interact with college students before deciding their college.
- Helped in the building and development of database and resources for the app.

MAJOR PROJECTS

Built a program to sort data and answer queries

COL100

Professor Sorav Bansal

October - November, 2018

- The program opens a file and reads the pointers to sort data into a vector of vector to create a 2D table.
- The program then studies the queries and abstracts keywords to relate to the table and give answers.

Designed a pull pin alarm system

ELL100

Professor Jun Bae Seo

October - November, 2018

- An LH380 operational amplifier was used along with 3 RC networks to achieve Barkhausen's criterion to make the circuit function as an oscillator
- In the standby mode, the circuit is locked by a plug and socket arrangement (a mono plug with shorted leads plugged into the mono-jack socket of the unit). When the burglar tries to snatch the bag, the plug detaches from the units socket and activates the alarm.

Modified pin ball machine

MCP101

Dr. Sunil Jha

March - April, 2019

- Designed and constructed a modified model of a pinball machine which can be played by 2 players.
- Designed multiple sample models on Autodesk Inventor to tweak dimensions before implementation.
- The project involved Analyzing the raw materials required, using machine workshop, carpentry, Welding, 3D printing, sheet metal workshop to make the model .

Designed a Glider

Skifi Labs

Professor P.V Madhusudhan Rao

September, 2018

- The project involved Analyzing the longitudinal stability of the design.
- Ensuring proper weight and shape of fuselage.
- Wing design and size for improving glide ratio.

TECHNICAL SKILLS

- **Languages** - C, C++, Python, Java, R .
- **Softwares** - Autodesk Inventor, Adobe Photoshop, MS Office

POSITION OF RESPONSIBILITIES

- **Debating Representative**
- **Marketing team head for Rendezvous**
- **Team Head for Negotiations Table**

EXTRA CURRICULAR ACTIVITIES

- **Debating** - Participated in 6 external tournaments(broke in 2) and 4 internal tournaments(broke in all),A level adjudicator .
- **Guitar** - Completed grade 2 guitar certificate from Trinity college London, Complete grade 4 guitar from Rockschool London, Grade 5 guitarist at Musicology, Performed in Kamani Auditorium in front of 500 people, Performed at Inter hostel