



# Sameer Pande

---

## Education

- 2017-Present **B.Tech. Computer Science and Engineering**, *Indian Institute Of Technology, Delhi*, **CGPA 9.45/10**.
- 2017 **Class XII Maharashtra State Board**, *Shri Shivaji Science College, Nagpur*, -93.5%.
- 2015 **Class X CBSE**, *Narayana Vidyalayam, Nagpur*, **Percentage - 98.0%**.

## Scholastic Achievements

- 2017-18 **IIT Delhi Merit Award**, for being in **top 7%** among **850** students for 1st and 2nd semester
- 2017 Secured **All India Rank 104** in **JEE Advanced 2017** for admission to IITs among 0.2 million students who qualified JEE Mains 2017
- 2017 Secured **All India Rank 68** in **JEE Main 2017** among 1.2 million students
- 2015-2016 Selected as **Indian National Mathematical Olympiad Awardee(INMO)** for being in **top 35** students at national level and selected for **Orientation cum Selection Camp for International Mathematical Olympiad(IMO)** conducted by **HBCSE, TIFR**
- 2015-2016 Selected as **Kishore Vaigyanik Protsahan Yojana(KVPY) Scholar** after securing **All India Rank 89** in KVPY examination, by **IISc Bangalore**
- 2015 Selected as **NTSE(National Talent Search Exam) Scholar** for being in **top 1000** students by **NCERT**(National Council for Educational Research and Training)

*Satpura Hostel, IIT Delhi – Delhi – India*

☎ +91 9599758381 • ☎ +91 9764507020 • ✉ [cs1170371@cse.iitd.ac.in](mailto:cs1170371@cse.iitd.ac.in)  
in [sameer-pande-662a98155](https://www.instagram.com/sameer-pande-662a98155) • 🌐 [sameerpande12](https://www.github.com/sameerpande12)

---

## Projects

- May 2019 - **Summer Research Internship**, *Dr. Ben Leong*, National University of Singapore.  
Present Working on
- Scaling TCProbe tool by multithreading to collect data regarding evolution of congestion window mechanism over multiple RTTs from different websites ;
  - Designing of server-worker system that enhances enables collection of data from location across worlds according to availability of the worker machines ;
- April 2019 **"Clean It Up"- Andorid Game**, *Dr. Rijurekha Sen*, IIT Delhi.  
Built an Angry-Birds like game in Unity to promote awareness regarding segregation of waste.
- March 2019 **Traffic Simulator**, *Dr. Rijurekha Sen*, IIT Delhi.  
Built a 3D traffic simulator in OpenGL to simulate the behaviour of Indian Traffic such as overtaking, breaking of traffic rules, accidents etc.
- January-May 2019 **Multicycle ARM based processor**.  
Developed an ARM based 32-bit multi-cycle processor in VHDL on a Basys3 board
- April 2019 **Krivine and SECD interpreter**, *Dr. Sanjiva Prasad*, Course Project.  
Built two interpreters (one Krivine and other SECD) for a toy language which with features such as definitions, recursions, closures etc.
- October 2018 **Asynchronous Serial Receiver and Transmitter**, *Prof. Anshul Kumar*, IIT Delhi.  
Receive and transmit serial information without a shared clock. Download information from a file on a computer to FPGA based design and vice-versa. Store the received data in the memory of the FPGA board and transmit it at any time later as per requirement
- September 2018 **Mobile Phone Tracking System**, *Prof. Amitabha Bagchi*, IIT Delhi.  
Used tree data structure to implement the following
- Stores mobile phones in exchange nodes;
  - Stores the exchange towers as nodes of a tree;
  - Switch on/off a mobile and updating its location in the entire tree;
  - Determines the smallest path two mobile phones to optimize the calling process.

---

## Courses

- Basic Introduction to Biology for Engineers, Linear Algebra and Differential Equations, Calculus, Probability and Stochastic Processes\*, Introduction to Electrical Engineering, Electromagnetic Waves and Quantum Mechanics
- Computer Science Data Structures and Algorithms, Digital Logic and System Design, Discrete Mathematics, Computer Architecture, Signals and Systems, Programming Languages, Design Practices

---

## Skills

- Programming Languages Java, C++, Python, VHDL
- Web Development HTML, CSS, JavaScript, Nodejs

Satpura Hostel, IIT Delhi – Delhi – India

☎ +91 9599758381 • ☎ +91 9764507020 • ✉ cs1170371@cse.iitd.ac.in  
in sameer-pande-662a98155 • 🌐 sameerpande12