# Adarsh **Pal**

SECOND YEAR UNDERGRADUATE STUDENT

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## **Res**earch Interests

- Set Theory and Discrete Mathematics
- Algebra and Number Theory

## **Edu**cation

**Indian Institute of Technology, Kanpur**                                     *Kanpur, India*
B.S. IN MATHEMATICS AND SCIENTIFIC COMPUTING                                   *July 2018 - PRESENT*
- Cumulative Perfomance Index (CGPA): **9.73/10**
- Department Rank 1, among 52 students of Mathematics and Scientific Computing Department at IIT Kanpur

**G. N. National Public School**                                               *Gorakhpur, India*
ALL INDIA SENIOR SCHOOL CERTIFICATE EXAMINATION                                 *May 2018*
- Percentage: **97.0%**

**H. P. Children's Academy**                                                   *Gorakhpur, India*
INDIAN COUNCIL OF SECONDARY EXAMINATION                                         *May 2016*
- Percentage: **97.2%**

## **Sch**olastic Achievements

| | |
|---|---|
| 2018 & 2019 | **Academic Excellence Award**, Awarded the **Academic Excellence Awards in 2018 as well as 2019** by IIT Kanpur based on the academic performance in the previous year. |
| 2019 | **Perfect 10 SPI**, Scored a perfect SPI of **10** in the 3rd Semester. |
| 2018 | **JEE Advanced**, Secured an **AIR-4441** in **JEE Advanced 2018** among 1,50,000 candidates. |
| 2018 | **All India Senior School Certificate Examination**, Amongst the **top 0.1%** of candidates who secured **100% marks in Maths** in AISSCE Examination. |
| 2016 | **KVPY SA**, Secured an **AIR-372 in KVPY(SA) 2016**, among 50,000 candidates. |
| 2016 | **Indian Council of Secondary Examination**, **School Topper** in **ICSE 2016**. |

## **Ski**lls

| | |
|---|---|
| **Languages** | C, C++, Java, Python, MATLAB, OCTAVE |
| **Web Development** | HTML, CSS, JavaScript, Jekyll |
| **Operating Systems** | Windows, Ubuntu |
| **Utilities** | bash, LaTeX, git, vim, AutoCAD Inventor |

## **Rel**evant Coursework

| | | |
|---|---|---|
| A First Course in Linear Algebra | Set Theory and Logic | Abstract Algebra($i$) |
| Fundamentals of Computing | Real Analysis($i$) | Probability & Statistics($i$) |

$i$: *In progress*

## **Pro**jects

**Othello/Reversi Game Development**                                            *Python*
                                                                               *February 2018 - April 2018*
- Developed the game of Othello using pygame under the guidance of Prof. Swaprava Nath of IITK.
- Implemented the Minimax Algorithm with Alpha-beta pruning for a user-friendly Player vs Computer interface.

# **Ext**racurricular Activity

**Counselling Service, IIT Kanpur**

ACADEMIC MENTOR, ESC101                                                                                                  *August 2019 - PRESENT*

- Involved in helping the freshers who faced difficulties in ESC101 (Fundamentals of Computing) and solving their doubts through one-to-one mentoring.

**Counselling Service, IIT Kanpur**

STUDENT GUIDE                                                                                                             *August 2019 - PRESENT*

- Acting as a guardian to 5-6 freshmen and helping them adapt to the campus life.

# **Ext**racurricular Activity

ACADEMIC MENTOR, ESC101                                                                                                  *August 2019 - PRESENT*