Gaurav Mishra

Third Year Undergraduate
Department of Computer Science and Engineering
Indian Institute of Information Technology, Kalyani

gauraviiitk7@gmail.com ✉
GauravM 🔗
+91-7999960351 ☎

Education

Institute/School	Board / Branch	Duration
Indian Institute of Information Technology, Kalyani	B.Tech, Computer Science and Engineering	2017-Present
DAV Public School, Dudhichua	Senior Secondary, CBSE	2014-2016
DAV Public School, Dudhichua	Secondary, CBSE	2008-2014

Workshop

Indian Institute of Information Technology (IIIT), Kalyani
Oct 2018

- Participated in workshop on Digital Geometric Algorithms, Applications and Prospective Future Directions.

- Worked on Image processing.

Relevant Courses Undertaken

- Computer Programming, Data Structures, Advanced Data Structures, Discrete Mathematics, Computer System Organization.

- Object Oriented Programming, Application Programming, Design and Analysis of Algorithms, Operating System.

- Theory of Computation, DBMS, Compilers.

Campus Activities

- Volunteered various national level fests in the college.

- Highest Rating 1734 on- Codechef.

- Active participation on online competitive coding websites - HackerRank.

- Global Rank 599 in April Long Challenge(Codechef).

Technical Strengths

Programming Languages: C, C++, Python, Java
Web Development: PHP, Javascript, HTML, CSS, node JS
Tools and Frameworks: MongoDB, Django, GIT, LaTeX
Platform: Linux ♥, *Windows*

Projects

Dynamic Memory Allocator

- Implemented a dynamic memory allocator for C (64 bit systems) using heap's virtual address space.

- Used segregated free lists to maximize throughput and utilization.

Linux Mini Terminal

- A Linux terminal implemented in C programming language using concepts of fork, exec, signals, pipes etc.

- Different kinds of interrupts were also handled.

Reddit for Campgrounds

- A Reddit type social web application HTML,CSS,javascript,mongodb where user can post various camping locations,can comment on them and can edit/delete campgrounds posted by that user .

Data Management System

- A student record data management system implemented using AVL trees and Linked Lists and file handling for storing data in C.