

Saurav Kumar Dubey

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Education

Institute/School	Board / Branch	Result	Duration
Indian Institute of Information Technology, Nagpur	B.Tech, Computer Science and Engineering	CGPA 8.0/10	2016-Present
DAV Public School, Dudhichua	Senior Secondary, CBSE	93.6%	2014-2016
DAV Public School, Dudhichua	Secondary, CBSE	CGPA 10/10	2003-2014

Experience

Indraprastha Institute of Information Technology (IIIT), Delhi
Summer Intern (June 2018)

- Worked on recipe pair prediction in which the task was to determine the highest average rated recipe amongst the pair of similar recipes.
- Worked on region wise cuisine prediction based on regions and ingredients.

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, Software Engineering.

Achievements and Awards

- District Topper in Secondary Examination in 2014.
- Won first prize in quiz in Institute Gathering 2017, the inter branch cultural event.
- Active participation on online competitive coding websites - CodeChef, Spoj.

Technical Strengths

Programming Languages: C, C++, Python
Tools and Frameworks: Django, mongoDB, GIT, \LaTeX
Platform: Linux ♥

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.

File Sharing Protocol

- Developed an application layer file transfer protocol, as a client-server model, with support for TCP/UDP.
- It had features like upload, download, indexed searching and application level error checking.

Campus Activities

- Mess Committee representative at IIIT Nagpur.
- Volunteered as coordinator of workshop held in college.
- Actively participated in organization of many events held at college.