Abhijeet Gupta

Second Year Undergraduate
Department of Computer Science and Engineering
✉ abhijeet010304@gmail.com
☎ +91-8726284021

Indian Institute of
Information Technology, Nagpur

EDUCATION

Indian Institute of Information Technology, Nagpur *2018 - 2022**
B.Tech in Computer Science and Engineering (CGPA: 8.8/10.0)

Children Public Sr. Sec. School, Fatehpur *2015-2017*
Senior Secondary (CBSE) (93 %)

Children Public Sr. Sec. School, Fatehpur *2004-2015*
Secondary (CBSE) (CGPA: 10.0/10.0)

PROJECTS UNDERTAKEN

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.

Adaigor : A django based music player app, which provides functionality of upload, store and play music by storing on cloud.

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

Simple database using OOPs COncept :An Online Shopping Management system implemented using concepts of OOPs and file handling for storing data in C++

TECHNICAL SKILLS

Programming Languages: C, C++, Java, Python
Familiar with: HTML, CSS
Tools and Frameworks: Django, GIT, Vim, LaTeX
Platform: Linux, Windows

COURSEWORK

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.

RELEVANT INTERESTS

Competitive Programming, Algorithms, Data Structures.

Software Engineering, Software Development

ACHIEVEMENTS

Qualified for **ACM-ICPC**l Asia - Amritapuri regionals in the year 2019

Four star (1875 rating) on Codechef, among top 3.73 % coders in the world.

Problem Tester and Setter in Codechef programming contest

Teaching Assistant in December 2019 to mentor freshers in competitive programming.

Got 2nd Position in event Rejuvenate @ Tantrafiesta, IIITN's technical fest

Among top 5 District Toppers in Secondary and Senior Secondary Examination in 2015 and 2017 respectively.

District Level Qualifier in IMO and NSO

CAMPUS ACTIVITIES

Convener of Programming Community at IIIT Nagpur.

Active participation on online competitive coding websites -
1 - Codechef ID.
2 - Codeforces ID.

Co-Head of Corporate Relations Team of IIITN's Fest Abhivyakti.

LINKS

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