

AMIT JAIN

B.Tech. 3rd Year, Computer Science and Engineering
IIT Jodhpur

Email: ug201310005@iitj.ac.in
Phone: +91 8387957454

EDUCATION

Year	Degree	Institution	CPI/%
2013-17	Bachelor of Technology	Indian Institute of Technology, Jodhpur	8.0*
2012	Intermediate	New Green Field Academy	83.4
2010	Matriculation	S.I.C.A. Sr. School	8.6

*At the end of 4 semesters

ACHIEVEMENTS

- Awarded **1st position** in Database systems course among 114 students
- Secured **1st position** in college in Codechef long Challenge September
- Secured **161 position** in Elimination round of Snack Down Codechef
- Secured an All India Rank **3349** in IIT-JEE (Advanced)-2013 among 1.4 million candidates.
- Awarded Certificate of Merit for being placed in National top **1%** in National Level Science Talent Search Examination in 2011.

TECHNICAL SKILLS

Programming Languages: C, C++, Python, HTML, Java, JavaScript

Specific Tools and Platforms: MySQL, Android SDK, Phaser.io, Git

PROJECTS

Advance Snake Game

Prof .Chiranjoy Chattopadhyay

- Developed a Snake Game with **moving food particle**, with an idea of enhancing the player's response time.
- Implemented in Python using Pygame library, used Threading to control both object separately and mutex lock for shared attributes.

Process Scheduler

Prof .Gaurav Harit

- Stimulated a CPU Process Scheduler in C++ using Fork system call and mutex lock
- Analyze the Performance of FCFS, Round Robin, SJF, Priority Scheduling and Multilevel Feedback queue, implemented by creating two modules Process injector(To inject process) and My Scheduler(To schedule injected process).

Linux Shell

Prof .Gaurav Harit

- Implemented Linux shell in C using various Linux system calls.
- Support Pipelining, I/O direct Operator and all other common Linux command("mkdir", "pwd", "ls", "grep", "cat", ".", "/", "cd").

Side Projects:-

Android Calculator

Build an Android Calculator capable of computing very possible (valid) expression. Applied advance Postfix Expression Algorithm to compute the expression. GitHub link:- https://github.com/amitj975/amit_calculator

Mind Game

Developed a Mind Exercise game in JavaScript using Phaser.io library. Based on concept to improve Attention of the players. GitHub Link:- <https://github.com/amitj975/PayAttention> Game link:- <http://home.iitj.ac.in/~ug201310005/>

Web Chat Application

Implemented a fully functional chat application by using Server Socket of Jframe in java. GitHub link:- <https://github.com/amitj975/ChatApplication>

POSITIONS OF RESPONSIBILITY

- Core Member, Programming club** IIT Jodhpur.
- Obfuscator Event Coordinator** in Ignus (Intercollege festival).
- Organizing Secretary**, Cultural Society IIT Jodhpur.