AKASH MISHRA

Final year CSE undergraduate, IIT Jodhpur   Email ID: ug201210003@iitj.ac.in
LinkedIn: Link   Mobile: +917877678955

EDUCATION

B.Tech Computer Science and Engineering	IIT Jodhpur, Rajasthan	**CGPA: 7.88/10**
Intermediate/+2	ILVA School Indore(CBSE)	80%
Matriculation	Central School Indore(CBSE)	88%

COMPETITIVE PROGRAMMING

- EXPERT label on Codeforces (Maximun rating 1620) solved 200+ question on it and 85+ question on SPOJ.
- 97.4 Competitive %ile in C++ on Hackerearth , Secured Global rank under 50 in Codemonk series of Hackerearth
- Secured AIR 109 in Morgan Stanley Codeathon 2014 and Global Rank 222 among 4000 participants in Codenation Codeagon 2015
- Global Rank 930 (Rating 8360) on Codechef

INTERNSHIP   Robert Bosch Engineering and Business Solutions Limited, Banglore
Mentor: Mr Shyam Upadhyay   *[May'14-July'14]*

- Wrote Object Oriented C++ files to parse XML file for Flashing of Engine Control Unit(ECU) in Cars
- A Web Application based on YII Framework(PHP) showing various car performance parameter Graphically with time
- Learned practical implementation of OSI Model and Importance of Object Oriented Programming

ACADEMIC PROJECTS   (Githublink)

ELEVATOR SIMULATOR Dr Gaurav Harit Oct' 14	• Developed a Program to Simulate Elevator System with 10 Floor and 4 Elevator in Java Applet • Designed Algorithm to minimize Waiting time and Power consumed using Priority Queue DS • Learned practical use of Data Structure and Multithreading to solve Problem Effectively
CARROM BOARD GAME Dr Gaurav Harit Jul' 14	• Developed a fully functional two Player Carrom Game Simulator in Java Applet • Built Function like Collision by considering effect of parameter like Friction ,Inelastic collision • Built Classes for Gamerules , Coin, Simulation etc and became Familiar with OOPS Concept
SIMPLE CHAT ROOM Dr Ramana Feb' 15	• Developed a Chat Room in Java using its feature like Socket Programming , Multithreading , etc • Used ArrayList of Sockets to keep track of Online users and to Display them on users Chat Window • Learned Client Server Architecture, use of Socket for asynchronous communication between Users
RSA ENCRYPTION AND DECRYPTION Dr Pradhan Jan' 14	• Wrote a C++ code for encryption and decryption of messages modelled on RSA algorithm • Used Fast Exponentiation for a^n and Extended Euclidean Algorithm to solve Inverse Modulo • Learned Cryptographic Algorithms their Application and usefulness for secure Communication
MY FIRST GAME Jan '13	• Developed a Game in Java applet in which we have to restrict enemy from reaching upto us • Made use of Event Handling and Multithreading for implementing Game
PROCESS SCHEDULER Dr Gaurav Harit Apr ' 15	• Simulated a CPU scheduler and analyze the performance of FCFS, SJF , Priority scheduling, etc.. • Built two modules Process Injector to create Processes and MyScheduler to Schedule Processes. • Learned Advantage of one Scheduling Algo over other depending upon Processes Parameter
B.TECH PROJECT Dr. Raman (Ongoing)	• Working On Space Optimization of Advance DS like Suffix Tree and Range Query DS • After Optimization we have to build algorithm to support String Matching with some Mismatches

POSITION OF RESPONSIBILITIES

- FINANCE COORDINATOR VARCHAS'14 **(**INTER-COLLEGE SPORTS FEST IIT-JODHPUR**):**   *[Aug'14-Dec'14]*
  Managed the financial matter of the festival that budgeted around 5 lakhs.