

Arvind Nair

CONTACT INFORMATION

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EDUCATION

Cochin University Of Science And Technology, Kochi

B.Tech in Computer Science and Engineering, 2013 - Present
GPA: 7.2 / 10

High School - **Bal Bharati Public School**, Noida (CBSE) - 84.2%

Secondary School - **Bal Bharati Public School**, Noida (CBSE) - GPA: 9.4 / 10

RELEVANT COURSES

Computer Science: Data Structures and Algorithms, Computer Architecture, Networks, Operating Systems, Compilers, Data Communication, Security, Microprocessors Automata Languages and Computations, Database Management Systems, Computer Graphics, Software Engineering
Electrical: Basic Electrical Engineering, Electronic Devices and Circuits, Digital Signal Processing, Modern Control Systems
Online: Machine Learning, Data Structures and Algorithms

PROJECTS

ONLINE JUDGE FOR CHECKING PROGRAMMING ASSIGNMENTS

Fall, 2015-present

Guide: Mr. Vinod Kumar

An Online Judge to check the correctness of programs submitted by students by showing various status flags such as AC, WA, RTE, TLE etc. It checks whether the program written by a student is same as the algorithm or not. Attendance of the student is also maintained.

Tools/Technologies used- HTML5, CSS3, JS, PHP, Bootstrap, MySQL

IMPLEMENTATION OF VARIOUS DATA STRUCTURES AND ALGORITHMS

Summer, 2015

Implemented popular data structures such as Linked Lists, Stacks, Queues, BST's in JAVA and advanced DS & Algorithms such as Tries, Suffix Arrays, Segment Trees, Fenwick Trees, Heavy-Light Decomposition, Centroid Decomposition, Persistent Segment Trees, Bridge Tree, LCA, RMQ etc in C++.

RAILWAY TICKET RESERVATION SYSTEM

Fall, 2014

Created a railway ticket management database using MYSQL. Information related to destinations, trains, berths, passengers, platforms, time were stored and queried.

ACHIEVEMENTS

	2012: 3rd position, NIU Quiz(out of 500 teams) 2013: Best School Team , Landmark General Quiz 2013: 2nd position, New Era General Quiz 2013: 2nd position, VBPS Tech Quiz 2013: Finalists - MOD Quiz, Columban General Quiz 2014: Semi-finals , Member of Computer Science Cricket Team (Inter-department tournament)
PROGRAMMING COMPETITIONS	Codechef: arvindnair , Top 5 %ile in Long and Short contests HackerRank: arvind_nair1995 , Blue rated in Algorithms track, Peak Rating- 95.4 %ile ACM ICPC: Honorable Mention, ACM ICPC Amritapuri Regionals 2014 Honorable Mention, ACM ICPC Amritapuri Regionals 2015 Ranks: World Rank 87 in 101 Hack Jan'16 (out of 1.8K participants) World Rank 351 in CodeAgon (out of 5K participants) World Rank 207 in AdInfinitum Math contest 13 (out of 1.2K participants) World Rank 310 in March Long Challenge'16 (out of 5K participants) Miscellaneous: Qualified the Facebook Hacker Cup, Google Code Jam qualification rounds and many other hackathons Problem Solving: Solved over 500 problems in various Online Judges
AFFILIATIONS	2014 HackerRank and HackerEarth Campus Ambassador 2015 Co-founder of <i>Programmers' Square</i> , an initiative to teach students basics of Computer Science 2015 <i>Student Member</i> , Association Of Computing Machinery(ACM) 2016 <i>Secretary</i> , Association of Computer Science and Engineering Students(ACES)
TECHNICAL SKILLS	Languages: C, C++, JAVA, PYTHON, HTML5, PHP, CSS3, JAVASCRIPT , SQL , BOOTSTRAP Softwares/Tools: Git, Ubuntu, Windows, LATEX, STL, BeautifulSoup, grep, MATLAB, OPENGL
ACADEMIC INTERESTS	Algorithms, Artificial Intelligence, Machine Learning, Operating Systems, Databases, Graph Theory, Discrete Mathematics
NON-ACADEMIC INTERESTS	Programming, Cricket, Movies, Reading, Quizzing