Ashwin Joisa

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EDUCATION

National Institute of Technology, Karnataka, Surathkal, Mangalore, India

- B.Tech in Computer Science and Engineering, Sophomore year   Aug 2016 – Present
  CGPA: **9.90/10.00** (December 2017)

Secondary High School - **Sri Kumaran Children's Home**, Bangalore, India (CBSE)
- Class XII - 95.6% (Studied Computer Science)   Jun 2014 – Mar 2016

High School - **Sri Kumaran Children's Home**, Bangalore, India (CBSE)
- Class X - CGPA: 9.2/10.0

TECHNICAL SKILLS

- Languages - C, C++, Python, Erlang, NODE.js, Django, HTML, CSS.
- DBMS - Basics of SQL
- Tools/Frameworks - Git, STL, OpenMP.

RELEVANT COURSES

Data Structures and Algorithms, Concrete Mathematics, Design and Analysis of Algorithms, Software Engineering, Object Oriented Programming, Operating Systems, Data Communication

PROJECTS UNDERTAKEN

All projects and work available on **Git**.

- Competitive Programming - Solution to the problems I have solved in selected competitive programming websites.
- Djangonautic - A blog webiste created using Django.
- Todo App - A To-do list app implemented using NODE.js
- Multi-Processing using OpenMP - Implemented the parallelized version of the following algorithms, using OpenMP in C++.
  • Radix Sort
  • Floyd-Warshall shortest path
  • Matrix Multiplication
- LFU Cache - Implemented O(1) seek, insert and remove implementation of Least Frequently Used (LFU) Cache in C++.
- Assignment Judge - Automates the checking of assignment codes against a solution code, and generates results (Correct/Wrong answer and execution time), written in Erlang. Makes use of functional programming concepts such as higher order functions.

ACHIEVEMENTS AND AWARDS

- **Ranked 1** in **India** (**Global : 57**) in **IEEEXtreme 11.0** Programming Competition
- **Ranked 7** out of **67** teams in **ACM ICPC Kharagpur Regionals 2017**.
- Participated at **ACM ICPC Amritapuri Regionals 2017**.
- **Expert(Blue)** rated on Codeforces. Rating - **1815** (Max: **1867**).
- **5 stars** on Codechef. Rating - **2019** (Max Rating: **2209**, **6 stars. Rank: 192(550) in India(Global)** overall on Codechef).
- Awarded CBSE Merit Certificate for being among **top 0.1%** in the subject of Computer Science in XII (Score 100/100).
- Qualified for the National level NTSE examination in Class VIII.
- KVPY Scholar (All India Rank: 744) in Class XII.

EXTRA CURRICULAR ACTIVITIES

- Executive Member at IEEE NITK Student Branch.
- Executive Member at Web Enthusiast's club NITK.
- Active on online competitive programming websites Codechef, Codeforces, Hackerrank, Hackerearth.
- Play badminton, table tennis, tennis and football.