

Ishan Sang

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EDUCATION

BITS PILANI

B.E. COMPUTER SCIENCE

Expected May 2021 | Goa, India

CGPA: 9.2/10.0

DELHI PUBLIC SCHOOL

HIGHER SECONDARY SCHOOL CERTIFICATE EXAMINATION

March 2017 | Uttarakhand, India

Score: 483/500 (96.6%)

DELHI PUBLIC SCHOOL

SECONDARY SCHOOL CERTIFICATE EXAMINATION

March 2015 | Uttarakhand, India

CGPA: 10.0/10.0

LINKS

Github:// **iCoder0020**

LinkedIn: // **ishan-sang**

ON-CAMPUS COURSEWORK

Intro To Python, Mathematics-I, Computer Programming, Probability & Statistics, Mathematics-II, Mathematics-III, Discrete Mathematics, Logic in Computer Science, Object Oriented Programming, Database Systems, Number Theory, Data Structures & Algorithms

ONLINE COURSES

INTRODUCTION TO LINUX [EDX]

Developed a good working knowledge of Linux using both the graphical interface and command line

HOW TO USE GIT AND GITHUB [UDACITY]

Learned to use Git, a version control tool, and Github, a collaboration platform

DIVIDE AND CONQUER, SORTING AND SEARCHING, AND RANDOMIZED ALGORITHMS [COURSERA]

Learned the Divide and Conquer paradigm along with some sorting, searching and randomised algorithms

GRAPH SEARCH, SHORTEST PATHS, AND DATA STRUCTURES [COURSERA]

Learned some basic Data Structures (Heaps, BSTs, Hash Tables, etc.) and the basics of Graph Traversals, Connectivity and Shortest Paths

SKILLS

PROGRAMMING

Over 50000 lines:

C++

Over 2000 lines:

C • Python

Familiar:

Java • Keras • Shell • MySQL • HTML

DESIGNING

Familiar:

AutoCAD • Photoshop • Latex

SOFT SKILLS

Analytical Thinking • Team Leadership • Time Management

EXPERIENCE

CSIR-CEERI | RESEARCH INTERN

May 2019 - Jul 2019 | Pilani, India

- Worked under the Cyber Physical Systems Research Unit
- Gained experience in the field of Deep Learning
- Worked in a team of 2 and created a Yawn Detection model

PROJECTS

GRAPHER Jan 2017 – Feb 2017 | Uttarakhand, India

- Created a Turbo C++ program capable of plotting polynomial functions, conic sections and other common graphs
- Learned the usage of graphics library in Turbo C++

MICROWARS Feb 2018 – July 2018 | Goa, India

- Created a C++ implementation of the popular Indie game MicroWars along with **Rohan Prabhu Kunjibettu**
- Learned the concepts of OOP and multi-threading

GLMC Sep 2018 – Oct 2018 | Goa, India

- Created a Linear Algebra Library for OpenGL in C
- Hard-coded matrix multiplication, division, rotation etc. for maximising performance of vectorised implementations

YAWN DETECTOR May 2019 – Jul 2019 | Pilani, India

- Created a Deep Learning model along with **Shubhad Mathur** which predicts whether the user is yawning or not from a live video feed
- Learned how to use the Keras Library

MISCELLANEOUS

HOBBIES AND INTERESTS

Competitive Coding

Touch-Typing

Reading

Listening to Music