

Bhagwat Garg

2ND YEAR UNDERGRADUATE · COMPUTER SCIENCE AND ENGINEERING

☎ (+91) 9711-313-080 | ✉ bhagwat@iitk.ac.in | 🏠 bhagwatgarg.github.io | 📷 bhagwatgarg | 📺 bhagwatgarg

Education

Indian Institute of Technology Kanpur

B.TECH. IN COMPUTER SCIENCE AND ENGINEERING

2019-23

- Cumulative Performance Index (CPI): 9.4/10

Lions Public School

HIGH SCHOOL

2015-2019

- Scored 95.2% in Class XII
- Scored CGPA 10 in Class X

Projects

Sudoku Solver

A TOOL WHICH SOLVES SUDOKUS BY EXTRACTING
SUDOKU PUZZLES FROM THE USER PROVIDED IMAGES

Nov. 2020

- The tool makes use of the opencv library to preprocess images and extracting the sudoku matrix
- A neural network model is then used to extract the numbers from the matrix
- Then the sudoku is solved using backtracking algorithm
- Techs Used: Opencv, Tensorflow

Steganography Tool

A TOOL WHICH CAN BE USED TO 'HIDE' TEXT IN AN IMAGE

Sept. 2020

- The tool implements state of the art methods like PBKDF2, AES-CBC, SHA256 to encode the user data
- Provided a simple UI to the tool using PyQt5 library for better user experience
- Techs Used: Python libraries like pycrypto and PyQt5

Scheduler

A WEB-APP TO MANAGE ALL THE CALENDARS IN ONE
PLACE

July 2020

- Implemented user authorization, user authentication allowing users to create/update/delete and events in their calendars
- Implemented a feature which allows users to follow certain channels allowing them to view the latest events of these channels on their dashboard
- Techs used: Reactjs, Nodejs, MongoDB

Honors and Awards

- 2019 **Academic Excellence Award**
Amongst top 10% students
- 2019 **All India Rank 197**
JEE Advanced, Among 160,000 candidates
- 2019 **All India Rank 154**
JEE Main, Among 1.1 million candidates
- 2019 **All India Rank 108**
KVPY SX Scholar
- 2019 **Rank in Top 1%**
National Standard Examination in Physics

Technical Skills

Languages	Python, C/C++, JavaScript
Web	ReactJs, NodeJs, Django, MySQL, MongoDB
ML	Tensorflow, Pytorch, OpenCV
Misc.	Git, \LaTeX , Bash

Relevant Courses

- Fundamentals of Computing
- Data Structures and Algorithms
- Mathematics for Computer Science (i)
- Software Development and Operations (i)
- Computer Organisation (i)
- Discrete Mathematics

(i) : in progress

Positions Of Responsibility

Programming Club, IIT Kanpur

IIT Kanpur

SECRETARY

2020-2021

- Work involved designing organising contests, workshops for the students.
- In addition to this, worked on two projects: Student Search and Life@IITK.