

# ADITYA KUMAR SINGH

NITK Surathkal, Karnataka

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## SUMMARY

He is a self-esteem software developer who is eager to contribute to team success through hard work. He improved his development skills with the help of graduation in Computer science and looking forward to an entry level job for learning, growing and excelling as a software developer in a competitive environment.

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## EDUCATION

**National Institute of Technology, Karnataka, Surathkal, India | July 2019 - May 2022**

- Master of Computer Applications
- CGPA : 8.9

**Zakir Husain Delhi College, University of Delhi | July 2015 - May 2018**

- Bachelor of Science (Honors) in Mathematics
  - CGPA : 7.4
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## ACHIEVEMENT AND EXPERIENCE

- achieved 1865 rank in **Google Kick Start** Round A 2021
  - achieved 623 rank in **Google Kick Start** Round B 2021
  - achieved 3881 rank in **Google Code Jam** Round 1 2021
  - **Created Football team** during high school ( Army public school, Faridkot, Punjab ) and lead the team for 2 years
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## SKILLS

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|--------------------|--------------------------------|--------------------------|
| • C++, C, Python 3 | • Experience with Linux        | • Git and Github         |
| • Computer Network | • Data structure and Algorithm | • Object-Oriented Design |
| • Mathematics      | • Problem solving              |                          |
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## PROJECTS

### Encryption - Decryption software

- Developed a terminal based application that perform encryption, decryption and generate cryptographic hash like MD5, SHA-1
- Technology and Concept: C++14, Cryptographic algorithms

### Sudoku game

- Developed Gui based sudoku puzzle game
- Used backtracking to optimize validation of input
- Technology and Concept: Python 3, Pygame, Backtracking

### Dictionary

- Created english dictionary with support insertion and searching
- Used trie data structure to reduce algorithm complexity and optimize search and insertion
- Technology and Concept: C++14, Trie data structure