

# Ayush Kumar Singh

+91 8743075567 | to.ayushk@gmail.com | Github | LinkedIn

## EDUCATION

### NSUT, NEW DELHI

B.E IN INFORMATION TECHNOLOGY

Expected 2022

Cum. GPA: 8.68

### DPS, DWARKA

AISSCE (CLASS XII), 2018

Percentage: 92%

### R.D.RAJPAL SCHOOL

AISSCE (CLASS X), 2016

Cum. GPA: 10

## SKILLS

### PROGRAMMING LANGUAGES

C/C++ • Java • Python • Javascript

• Typescript • Octave • SQL

### FRAMEWORKS/ LIBRARIES

ExpressJS • MongoDB • PassportJS •

jQuery • Bootstrap • Angular • React •

Firebase • Pandas • Numpy • MQTT

### COMPETITIVE PROGRAMMING

• **Candidate Master (1902)**, [Codeforces](#)

• **5 Star (2155)**, [CodeChef](#)

• **Guardian (2538)**, [LeetCode](#)

## ACHIEVEMENTS

### NDA, ALL INDIA RANK 1

• **National topper** of National Defense Academy Examination-1, 2018.

• Around **4 hundred thousand** students appeared for the exam. Out of the 379 finally recommended by the selection boards, I scored the highest.

[[Merit List](#)]

### PUBLISHED AUTHOR

• My book, named '**Adventure Stories**', was published in 2016 by the publication '**Reader's Paradise**'. [[Amazon Link](#)]

### RESEARCH WORK

• Co-authored the following chapters

– **Citizen E-Governance using Blockchain** for Elsevier [[Chapter Link](#)].

– **Smart Healthcare Facility using**

**Blockchain** for Bentham Science (Under Publication).

### ACADEMICS

• Cleared **JTSE 2015** and have been awarded 22 medals (16 gold) in various school level olympiads.

## WORK EXPERIENCE

### INTERNAL CONTEST TESTER | LEETCODE

August 2021 - Present | New Delhi

- **Tester:** Providing detailed feedback reports for upcoming LeetCode Weekly and Biweekly contests which host over 10,000 participants.
- Work includes extensively testing each problem for inaccurate time constraints, weak testcases and other bugs to deliver high quality contests.

### PRODUCT ENGINEER INTERN | SPRINKLR

May 2021 - July 2021 | New Delhi

- **Frontend Developer:** Developed and delivered a large scale solution from scratch. Used **React** for developing UI and **MQTT** as message transfer layer.
- Built a browser extension for testing and created well documented SDKs as the final product.

### WEB DEVELOPER | FREELANCE FOR JOBS ESPRESSO

April 2020 - August 2020 | New Delhi

- **Full-Stack Developer:** Worked with a colleague in developing a platform for a **new startup** from scratch.
- Work was wholly based on **Firebase** making use of most of the functionalities that the platform provides.

### WEB DEVELOPMENT INTERN | FINDMIND ANALYTICS

February 2020 - April 2020 | New Delhi

- **Frontend Developer:** Worked on LegalMind, an AI powered research, analytics and strategy building platform for legal professionals.
- Developed frontend primarily on **Bootstrap**, fixed existing bugs, integrated APIs, worked with many **JS plugins and libraries**.

### TEACHING ASSISTANT | CODING NINJAS

June 2019 - October 2019 | New Delhi

- **Mentor:** Mentored a batch of **40 students** and took up doubts regarding Data Structures and Algorithms.
- Solved **940 doubts** with an average rating of **4.8/5**.

## PROJECTS

### CURB CORRUPTION | BRIBE REPORTING AND MANAGEMENT

- Built on **Node.js** with **Express** and **MongoDB**, it is a website to report cases of bribe payments and refusals, along with analytics.
- This was my team's proposal for **SIH 2020**, which got us the **third position** in the internal hackathon.

### MUSIC PLAYER | FRONTEND MUSIC STREAMING

- Responsive website developed only using HTML and CSS.

### SORTING ALGORITHMS VISUALIZER | ANIMATED VISUALIZER

- Responsive visualizer of various sorting algorithms. Built with **jQuery** and **Bootstrap**.

### GAME OF NIM | SINGLE PLAYER GAME

- Built on Angular and deployed on Firebase, this is a **Progressive Web App** which is an implementation of an interesting game of strategy belonging to the field of **combinatorial game theory**.