

**Sunil Kumar**

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**ACADEMIC DETAILS**

Examination	University	Institute	Year	%/CGPA
AISSE	CBSE	Aggarwal Public School	2011	7.8
Intermediate	CBSE	K.C.M Public School	2013	83.4
Graduate Specialization:	<i>Computer Science and Engineering</i>			
Graduation	<i>NIT, Mizoram</i>	NIT, Mizoram	2014-2018	7.44

**FIELDS OF INTEREST**

- Algorithm, Data-Structure, Competitive Programming, Big Data

**TECHNICAL SKILLS**

- **Languages:** C , C++ , Java , MySQL, Python, Django,C

**PROJECTS AND INTERNSHIPS**

- **A College Repository to store books and Research Papers**

- **Description:** An information retrieval system which uses Vector space modeling for Information retrieval. Here, Users can search by using the Author ,title and Year of publication .It also contain a Full text search engine.

- **Optimized Sudoku Solving Algorithm using human strategies**

- **Description:** This project implements the pencil-and-paper algorithm that simulate how human being would solve the puzzle by using some simple strategies that can be employed to solve the majority of Sudoku.

- **Multi-Player Stock Market Game**

- **Objective :** A client-server based Multi-User (LAN) game with graphical Interface
- **Description:** A Multi-Player LAN based game where a computer acts as main Server and all other participants are connected to this server through LAN. Information about all type of sell and buy of stocks by participants are updated regularly to the main server. Main server analysis data from all users and then determine the new prices of stocks for all companies and then broadcast the new stock price calculated, to all the users. Stock prices are simulated with the help of continuously changing Graphs .

- **Winter Internship (IIT,MANDI)**

- **Objective:** Speaker Recognition System
- **Description:** Designing a System which can detect who is currently speaking given a set of speaker from a audio segment. Implemented the code for MFCC feature extraction and BIC for change point detection

- **Bank Transaction System**

- **Objective:** A Database-Driven System, to process all types of Bank Transactions.
- **Description:** A Money transaction system (graphical user interface) for Banks. It is capable of doing all CRUD operations like withdraw and credit of money. Also it is capable of showing **Mini-Statement** for every Bank Account. Implemented various security features, like login system for Bank Employees and Bank Manager and only Bank Manager can change/modify the passwords of the employees, active accounts etc. It is also capable of tracking the login time and all the transactions by an employee.

## ACHIEVEMENTS AND WORK EXPERIENCE

- Won the **2nd Prize** in National Level Network Championship, NNSC held at **IIT, Bombay**
- Yellow coder in **Codechef**
- Ranked under **Top 200** in [Codechef](#) July Long Contest 2017 out of **8000 contestants**
- Technical Head of Computer Science Society, Nit Mizoram
- Event Organiser and lead Developer of "**STOCK BRIDGE**", an online stock-market based game in **ANUNAAD'16**, annual Techno-Cultural Event of NIT Mizoram
- Currently Mentoring 2nd Year Computer Science Students in Data Structure, Algorithms and Competitive Programming
- Campus Ambassador for [GeeksforGeeks](#) for flourishing coding culture

## STRENGTHS

- Positive Attitude, Social Interaction, Hardworking Nature .

## INTEREST AND HOBBIES

- Solving Puzzles
- Coding
- Player of Cricket and Basketball College Team