Sunil Kumar

Algorithm · Data-structure · Django · Python · D3.js · Competitive Programming

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Education

National Institute of Technology	*Aizawl, Mizoram, India*
B.Tech. in Computer Science and Engineering, Final Year	*Aug. 2014 - June. 2018 (expected)*

- CGPA of **7.44** (till June 2017, 6th Semester)

KCM Public School (CBSE)	*Palwal, Haryana, India*
High School	*Apr. 2012 - May. 2013*

- Secured **83.4%**

Agarwal Public School (CBSE)	*Ballabgarh, Haryana, India*
Secondary School	*Apr. 2010 - May. 2011*

- Secured **74%**

Experience

Web Development Intern, Vadr network, Gurugram	*Haryana, India*
	Dec. 2017 - Present

- **Django and Javascript chart library development.**
- **Field** : Web Development
- **Description**: During my internship at VADR Network (Gurgaon) I worked on designing a graph library using the JavaScript and also a REST API in python for the graph library and refactoring of their Django code .
- **Languages & Tools used** :Django, D3.js, Javascript, Python

B.Tech Final Year Project, Department of CSE	*NIT Mizoram, India*
Guide : Mr. Lenin Laitonjam, Department of CSE, NIT Mizoram	*Aug. 2017 - Present*

- **Repository System to store books and Research Papers.**
- **Field** : Web Development
- **Description**: Designed a storage system in Django for the college to store research papers and other related items
- **Languages & Tools used** :Django, Python, Javascript, Ajax, Html

Optimized Sudoku Solving Algorithm Using Human Strategies	*Nit Mizoram, India*
	Apr. 2017 - Apr.2017

- **100 time faster algorithm as compare to backtracking based algorithm for Sudoku**
- **Field** : Algorithm and Data-structure
- **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.
- **Languages & Tools used** :C++

Multi-Player Stock Market Game	*Nit Mizoram, India*
	Oct. 2015 - Oct.2015

- **GUI based stock market multiplayer game**
- **Field** : App development
- **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 .
- **Languages & Tools used** :C#, Visual Studio

Technical skills

Languages : Python, D3.js, C, C++, Javascript, Java, JSON
Tools/Frameworks : Django, Visual Studio, git, Sublime Text 3, Microsoft Office, Python unittest, BeautifulSoup
Platform : Linux, Windows

Achievements & Awards

Coding

2017	**Code the Next**, Qualified for Final Round (Onsite) of Samsung's "Code the Next" coding contest	*Hackerrank*
2016	**Yellow Coder**, There are only three yellow coder in entire Northeast	*Codechef*
2015	**NNSC**, Won the 2nd Prize in National Network Security Championship	*IIT, Bombay*
2015	**Code Warrior**, Secured 2nd rank in annual CODING contest at ANUNAAD 2015	*NIT, Mizoram*

Positions of Responsibility

2017	**Organiser**, Code Warrior, annual CODING contest of NIT Mizoram at Morphosis 2017.	*NIT Mizoram*
2017	**Technical Head**, Technical Head of Computer Science Society of NIT Mizoram	*NIT Mizoram*
NIT Mizoram	, Campus Ambassador	*Campus Ambassador for geeksforgeeks*
2017 2015/16	**Teaching Assistant**, Mentoring a group of 20 students giving hands-on exposure to C/C++ Programming and Competitive Programming	*NIT Mizoram*
2015	**Founder**, Founder of HackerRank Club, NIT Mizoram (Coding Club of NIT Mizoram).	*NIT Mizoram*
2015	**Organiser**, Organised "Stock Market", the online share market based game in ANUNAAD'15.	*NIT Mizoram*

References

Mr. Abhishek Bansal
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