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**Vibhu Mithal**

High School Graduation – May 2022



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**CITIZENSHIP**  
INDIAN

**ABOUT ME**

A high school student aspiring for a world class education in Computer science from one of the highly reputed universities in the world. I am meticulous, versatile and resilient and my aim is to gain knowledge and skills in a dynamic environment where I can exchange ideas.

**DOB**  
30/12/2003

**LANGUAGE**  
Hindi, English, Sanskrit



**EDUCATION**

**CLASS XII, CBSE** Graduation, May 2022Delhi Public School, Vasant Kunj, Predicted grades 94.8%  
New Delhi, INDIA

**CLASS XI, CBSE** Graduation, May 2021Delhi Public School, Vasant Kunj, Grades 89.2%  
New Delhi, INDIA

**CLASS X, ICSE** Graduation, May 2020St. Mary’s Academy, Meerut Cantt, Grades 96%  
Uttar Pradesh, INDIA Additional Subject: COMPUTER SC.

**CLASS IX, ICSE** Graduation, May 2019St. Mary’s Academy, Meerut Cantt, Grades 77.3%  
Uttar Pradesh, INDIA Additional Subject: COMPUTER SC



**INTERNSHIPS**

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| 1. **Cybersecurity, Edufabrica in association with IITKHARAGPUR**   ***Research Intern*** | **May’20 – Jun’20** |
| I got an opportunity to work on a Project that demonstrated how hackers can sniff data over public wi-fi or any insecure private wi-fi. The project required complete understanding of network protocols, protocol layers, data transmission, and linux. My duty was to fix the router system such that it becomes invincible. I also made a ppt demonstrating the same.  This internship exposed me to practical coding in Python, JavaScript and made me confident in linux. I also learnt how to work within a project plan, roles and responsibilities within a team and looking at the larger picture while focusing on completing my own work.   1. **Systems Analyst Intern, 7dot2 IT Consulting firm Jan’21 – Feb’21** | |
| ***SECURITY*** |  |
| Got an opportunity to work with this firm that provides IT solutions to businesses and other small-scale ventures. My task was to find vulnerabilities in the network system that might be injectable. I was able to find a flaw in the data system which was transmitting unencrypted data with directly accessible http headers. This was very highly risky as eavesdropping was very easily executable. Also, working with professionals broadened my mind and made me learn more about linux and systems on the whole. | |
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**IT COURSES / CERTIFICATES**

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| 1. **Programming with Everybody( Started with python)-University of Michigan, Coursera March’21**   This course involved fundamentals of python with its applications and its significance in other fields. This course was published on Coursera by University of Michigan and this course help me escalate my computing skills to a whole different level.   1. **Programming Foundations with JavaScript, html, and Css-Duke University, Coursera JUNE’21**   This course was created by UC San Diego and delivered through Coursera. This involved foundational programming concepts (e.g., functions, for loops, conditional statements) and how to solve problems like a programmer. In addition, I learned basic web development by building web pages using HTML, CSS, JavaScript. By the end of the course, I created a web page where others can upload their images and apply image filters we create.   1. **The Complete Web Penetration Testing and Bug Bounty Course, Udemy JUNE’21** |  |
| My inquisitiveness to know more about network security and its fundamentals led me to join this course compiled by top industry specialists and hosted on Udemy website. This was a pre-recorded continuous 12.5 hours course. This course has exposed me to applications and examples of various network security tools, concepts, concerns, and ethical considerations with privacy and security. I have become increasingly aware of how important secure networks are going to be in the near future where every field is expanding with technology.   1. **The Ultimate Dark Web, Anonymity, Privacy and Security Course, Udemy NOV’20 – MARCH’21**   This was a pre-recorded 11 hours continuous course on privacy, anonymity and the dark web. This course taught me how everyone’s privacy is compromised on the internet and how to achieve it. This was a very informative and important course because lack of privacy is the origin of scams which have increased 3500% in one decade.   1. **Learn Ethical Hacking from Scratch Course, Udemy APR’21 – AUG’21**   My inquisitiveness to know more about system security and its fundamentals led me to join this course compiled by top industry specialists and hosted on Udemy website. This was a pre-recorded continuous 14.5 hours course. This course has exposed me to applications and examples of various system security tools, vulnerabilities, concepts, concerns, and ethical considerations when and after targeting a device. I have become increasingly aware of how important secure systems are going to be in the near future where every field is expanding with technology.   1. **Fundamental AI Course, GUVI 25th APR’21 - 26th APR’21**   A 24-hr Fundamental AI Course describing what is AI, how AI works, concerns, and its future implementations. This was a very interesting and highly informative course. This enabled in rationalized thinking and how to think out of the box. | |
| 1. **Introduction to Investing and Financial Literacy – Palo Alto Education SEP’19 – NOV’19** |  |
| A 8-week course with classes on sat-sun to gain fundamental knowledge of Investing and Finance. Submitted a portfolio deck portraying how I would invest my $100000 in different stocks/equity. My ppt got selected out of the 400 high schools competing globally and I was one of the top 20 finalists out of which top 10 were invited to Silicon Valley, USA for a conference and honors. | |



**AWARDS AND HONORS**

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| 1. **American Mathematics Competition 12, Held by MAA** | **Feb 8, 2021** |
| Awarded with first place. | |
| 1. **SOF International Mathematics Olympiad, held by SOF foundation** | **Jan 2,2021** |
| Gold medal of excellence received. | |
| 1. **Cybersecurity Professional Certification, Fortinet (IT security company)**   Achieved NSE 1 Network Security Associate from Fortinet NSE Training Institute in 2021   1. **Cybersecurity Foundation Professional Certification, CertiProf**   Received Cyber Security Foundation Professional Certificate based on CyBOK Version 1.0 CSFPC from CertiProf in 2021.   1. **ISRO Cyberspace Competitions, ICC held by Indian Space Research Org.**   ***Space Quiz Competition for class 11 & 12***  Secured a place in the merit list of 500 students from 40000 students taking part nationally.  Merit list was uploaded on the official site of Isro “https://www.isro.gov.in/” | **May 15,2021**  **May 15, 2021**  **25 Sep, 2020** |
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**COMMUNITY SERVICE**

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| 1. **Health Camp for Underprivileged people – Jyoti Charitable Trust – Co-Ordinator** | **Jan’21-Apr’21** |
| My love to help people led me to serve as a volunteer coordinator at this Ngo where I served for three days(8 Jan-10Jan). My work was to arrange things and to do documentations.  Worked from 18th March to 3rd April at this organization covering 60hrs of service which included helping the aged and differently abled people.   1. **Voluntary social service from home in second Covid-19 crisis. Apr’21-June’21**   Worked with my friends in the second corona wave to confirm leads in terms of available beds, drugs like remdisivir, blood plasma etc. by calling the person claiming having the utility in order to stop wastage of time in calling sources who are eventually out of services. We also did our best by posting these verified leads on social media which sort of chained the helping process in 2021.   1. **Online Awareness program,** **Ministry of Youth Affairs and Sports, CBSE, and UNICEF India June’21**   Joined this online awareness program by Youth affairs body of our government which included spreading covid related information via internet as well as preventing the spread of fake news and educating uneducated people regularly about covid norms and precautions to be taken at home.  I was also engaged in propagation of vaccines and their importance for the whole community. I was awarded with a young corona warrior certificate from the ministry in collaboration with UNICEF India for this work | |
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**Image result for activities symbol in blue**

**EXTRA CURICULAR ACTIVITIES**

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| 1. **Adobe Photoshop** | **Since Nov,2019** | | |
| I have been doing photo manipulation and editing as a hobby and have been doing since a year for my family members and friends.  Can check some of my work on <https://vibhumithal.com/photoshop.html> | | |
| 1. **Website Development** | **Since Mar,2021** | |
| I was first introduced to HTML in class 7 by my school computer teacher but I was very ignorant of web development. It was after class 11 then, that I started web development again and developed my personal portfolio website. Since then, I have gained knowledge in html, Css, JavaScript, and php.  I also learned the basics of backend developing and tried to create a replica of amazon (which I did not publish though).  Link: <https://vibhumithal.com> | | |
| 1. **Cybersecurity Since Feb, 2020**   It was a year back when I just started to take interest in hacking and learning how devices actually work and the securities associated with them. This quest for information led me to do multiple certified courses developed by field experts and certifications that could instill in me more knowledge in this domain. I have been doing CTF’s on different websites to improve my skills and was also invited for a private bug bounty by a start-up GoCardless VDP in 2021 through HackerOne platform. Done internships and beginner level certifications too.   1. **Camp Anubhav, Caving Paradise, Nainital, Uttarakhand held by Blossoms Adventure Camp 2018.**   An adventure camp held in May, 2018 which awarded me a certificate for completing all the adventure activities successfully and displaying immense passion.   1. **Rendezvous’19 during Robothlon 2019, held by IIT Delhi**   Participated in 1 day workshop on 8051 Embedded Systems held at IIT Delhi on 3rd October 2019. In this 8hr long workshop we made a system/machine coded such that different LEDs glow on different intervals creating a pattern with fundamental knowledge on ICs(Integrated Circuits) and c++ . | |  |
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**ADDITIONAL ACTIVITIES**

**MISCELLANY**

* I have always found research in fields like finance, marketing, and space programs very entertaining. I like to keep info about what stocks are doing well and which country is launching which probe. This led me do some online courses in finance too.
* I like to play lawn tennis as a hobby and had won a gold medal at district level in under-12 lawn tennis championship in my childhood.
* Participated in the Julia Robinson Mathematics Festival in 2020.

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