

## YASH SHAH

199,Yash Bungalow, sector 5,charkop,kandivali(w)

Mumbai-400067

+91 9892755915

[yash1234shah@gmail.com](mailto:yash1234shah@gmail.com)

### Objective

Aim to be a part of an organization that provides me the opportunity to do my best and develop new skills to work dynamically for the growth of the organization and my knowledge.

### Education:

Degree	Name of the Institute	Year of passing	Percentage
PhD Information Technology	Terna College of Engineering (Mumbai University)	Pursuing	NA
M.E. Computer Engineering	Thakur College of Engineering & Technology (Mumbai University)	2017	7.94
B.E Information Technology	Atharva College Of Engineering (Mumbai University)	2015	63.90% (SEM I to SEM VIII)
HSC	T.P.Bhatia College Of Science, (Maharashtra Board)	2011	72%
SSC	Oxford Public School, (Maharashtra Board)	2009	84.30%

### Competitive Examination:

Examination	Year	Score
MUPET	2018	55
G.A.T.E	2015	28.93 (9311 All India Rank)

### Skills:

#### Technical Skills:

Stream	Language
Devops	Git, Docker, Puppet, Jenkins, Ansible
Network monitoring and security	Wireshark,TCP DUMP,Nessus, Hping, Burpsuite,
Database Management	SQL, Mysql, MS Access,MS Excel
Programming Languages	Java ,C,C++,Python
Web Designing	HTML,CSS,JSP,ASP,PHP
Operating system	Windows, Ubuntu, Kali Linux
Python Frameworks	Django, Numpy, Tableau, Pandas, SKlearn, Matplotlib

## Non-technical Skills:

- Well versed with NBA criteria 2 and 3.
- Good leadership qualities.
- Good team player and a quick learner.
- Good communication skills and presentation skills.
- Optimistic.
- Quite good in content writing.
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## Subjects Taught

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- DevOps
- Cryptography and System Security
- Infrastructure Security
- Cyber Security
- Computer Networks
- Ethical Hacking
- Network programming language
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## Work Experience

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- Currently working as Assistant Professor at Vidyalankar Institute of Technology((From January 2019 to Present)
- Worked as Assistant Professor at Thakur College of Engineering & Technology (From January 2018 to January 2019)
- Worked as lecturer for 1.5 years at Thakur College of Engineering & Technology. (From January 2017 to May 2018)
- Worked as Teaching Assistant for 6 months at Thakur College of Engineering & Technology. (From July 2016 January 2017)
- Deployed and supervised ERP system at institute level.
- Have worked for NBA criteria 2 and 3 and also developed a tool to calculate PO/PSO attainment in the process.

## Extra Curriculum:

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Active member of renowned bloggers directory like “indiblogger”,”blogadda”.

I was one of 8 E-leaders of the Entrepreneurship-cell of Atharva College of Engineering and have claimed runners up award at National level in the academic year 2013-2014.

## Project Details:

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### Project as a professional:

1. A flexible tool to calculate PO/PSO attainment of a course using 5 direct and 1 indirect evaluation methods.
2. Web Application Security Testing with OWASP ZAP
3. Language translator in python.
4. Consultation for ISO 2015 modules for Thakur College of Engineering.

### Project at M.E.:

Title: Improving cloud security using dynamic S-Box in cloud security.

### Group Project at B.E.:

Title: File sharing system using Hierarchical Attribute Set Based Encryption (HASBE).

**Paper Publication:**

Sr No	Title	Publication
1	File Sharing Application Using Hasbe Scheme	International Journal Of Engineering And Technical Research (IJETR) ISSN: 2321-0869, Volume-3, Issue-1, January 2015
2	Web Application Using Hasbe Scheme	International Journal Of Advance Foundation And Research In Science & Engineering (IJAFRSE) Volume 1, Issue 10 , March 2015. Impact Factor:1.036, Science Central Value: 26.54
3	Increasing Storage Space Utilization In Video Surveillance System	7th International Conference On Communication, Computing And Virtualization 2016
4	Improving Cloud Security By Introducing Dynamic S-Box In AES Algorithm	Mc Grawhill Education, ISBN:978-93-5260-531-6, February 2017
5	Dynamic S-Box In AES Algorithm In Cloud Environment	IOSR Journal Of Computer Engineering (IOSR-JCE) E-ISSN: 2278-0661, P-ISSN: 2278-8727 PP 87-91
6	Enhancing Security By Introducing Dynamic S-Box In AES Algorithm In Cloud Environment,	International Journal Of Trend In Research And Development, Volume 4(2) 2017, Issn: 2394-9333
7	Security Patch Between Service Provider And Infrastructure Provider In Cloud Environment By Implementing Modified AES Algorithm	International Journal Of Trend In Research And Development, Volume 4(3) 2017, Issn: 2394-9333
8	Quantum Key Distribution: An Application of Quantum	9th International Conference On Communication, Computing And Virtualization 2018
9	Student Performance Prediction Analysis	International Journal Of Trend In Research And Development, Volume 7(1) 2020, Issn: 2394-9333
10	Cricket Match Winner Prediction using Machine Learning	Journal of Artificial Intelligence and Systems, 2019
11	SVM and NN Machine Learning model on KDDCUP99 Dataset	Has been accepted for ESCI journal, Under process of publishing.
12	Hybrid Model for Security Enhancement	International Research Journal of Engineering and Technology (IRJET), Volume: 07 Issue: 04   Apr 2020
13	Cricket Match Simulation And Score Prediction Using Machine Learning	Vidyabharati International Interdisciplinary Research Journal (Special Issue on Emerging Techniques in Interdisciplinary Sciences (Oct. 2021), ISSN 2319-4979
14	A Case Study: Innovative Teaching-Learning Practices towards OBE	Journal of Engineering Education Transformations, Volume No 35, August 2021, Special issue (Enhance Quality Education through NEP 2020) eISSN 2394-1707

**Course Development:**

1. Algorithms for Cryptography - <https://www.udemy.com/course/algorithms-for-cryptography>
2. Containerization using DOCKER - <https://www.udemy.com/course/containerization>
3. Infrastructure Security - <https://www.udemy.com/course/infrastructure-security>
4. Puppet Fundamentals - <https://www.udemy.com/course/puppet-fundamentals>

## **Certifications:**

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1. Introduction to Cybersecurity for Business - University of Colorado System
2. Asymmetric Cryptography and Key Management - University of Colorado System
3. Detecting and Mitigating Cyber Threats and Attacks - University of Colorado System
4. Cryptographic Hash and Integrity Protection - University of Colorado System
5. Symmetric Cryptography - University of Colorado System
6. Proactive Computer Security - University of Colorado System
7. Cryptography and Information Theory - University of Colorado System
8. Discrete Math and Analyzing Social Graphs - National Research University Higher School of Economics
9. Introduction to Google Docs - Coursera Project Network
10. Python for Data Science - National Programme on Technology Enhanced Learning
11. Machine Learning Onramp – MathWorks, MATLAB
12. Deep Learning Onramp - MathWorks, MATLAB
13. Block chain - AICTE Training And Learning (ATAL) Academy, All India Council for Technical Education

## **Contribution to Research Societies:**

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1. Organizing Member of IEEE BOMBAY SECTION SIGNATURE CONFERENCE (IBSSC 2020).
2. Reviewer at International Journal of Trend In Research And Development (IJTRD).
3. Reviewer at IEEE BOMBAY SECTION SIGNATURE CONFERENCE (IBSSC 2020).
4. Resource Person for FDP on “Advanced Technologies in IT”.

## **Professional Memberships:**

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1. Lifetime member at Indian Society for Technical Education.
2. Sponsored Membership for IEEE by IEEE Bombay section

## **Personal Details:**

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Date of birth : 29th July, 1993

Nationality : Indian

Languages known : English, Hindi, Marathi, Gujarati.

Hobbies : Number crunching, writing, learning

## **Declaration**

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I, Yash Shah, do hereby confirm that all the information mentioned above is true to the best of my knowledge and I bear the responsibility for the above-mentioned particulars.



**Place:** Mumbai

**Yash Shah**