Akashdeep Dhar

Pursuing **B.Tech.** in **MIT Academy of Engineering.**
Major in **Computer Engineering**, Minor in **Cyber Security**

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PERFORMANCE

PURSUING
B. Tech. (2021)

9.55 CGPA
TY (2020)

9.28 CGPA
SY (2019)

8.76 CGPA
FY (2018)

85.4 %
HSC (2017)

94.4 %
SSC (2015)

CAREER OBJECTIVE

Looking for a role of responsibility in the field of cybersecurity, software development, system administation and cloud services in an organization while learning and grwing as a collective team member.

ACADEMIC QUALIFICATION

- **MIT Academy of Engineering**
  Savitribai Phule Pune University (B.Tech.)
- **Kendriya Vidyalaya No. 3**
  Central Board of Secondary Education (HSC and SSC)

NOTABLE ACHIEVEMENTS

- Finished in among top 10 teams in HackTheCrisisIndia IDEAthon (2020)
- Finished in among top 5000 teams in Google Hash Code (2020)
- First Runner Up in Academics (2019)
- First Runner Up in Literary Club's Story Writing Competition (2018)
- School Topper in SOF's International English Olympiad (2017)
- Finished in National Level in 44th JNNSMEE (2017)
- Selected for Prime Minister Scholarship Scheme (2015 onwards)
- Appreciated by HRD ministry for perfect 10CGPA in SSC (2015)

PROJECTS WORKED

NVIDIA Auto Installer for Fedora 32 and above *2020*
https://github.com/t0xic0der/nvidia-auto-installer-for-fedora
A CLI tool which lets you fetch packages from RPM Fusion repositories, install proprietary NVIDIA drivers directly and much more easily on Fedora 32 and above.

Sanctuary – Secure synchronous lightweight transient chatroom system *2020*
https://github.com/astrosonic/sanctuary
A lightweight network system running entirely on memory for creating and joining untrackable chatrooms for transient conversations and zero logging.

Secure Peer-based Environments in Equitable Decentralization (S.P.E.E.D.) *2020*
https://github.com/astrosonic/bazooka-share
A self-sustaining shared network protocol emphasising on security and decentralization – connected devices can share data and processing capabilities at will.

Forensics Oriented Reporting Group in Encryption (F.O.R.G.E.) *2019*
https://github.com/astrosonic/forge
A closed message transfer system with timestamp-based key pair generation and expirable messages – especially meant for protected providence exchange.

Pignus Agent for Internet Protection *2019*
https://github.com/t0xic0der/pignus-agent-for-internet-protection
A GUI application which uses VirusTotal for putting URLs to scan, retrieving scan reports, analyzing website safety and understanding domain information to the core.

Pignus Framework Vulnerability Detector *2019*
https://github.com/t0xic0der/pignus-framework-vulnerability-detector
A GUI application which takes a single URL or a batch of multiple URLs to scan them for their framework info, CDN, servers, analytics, tag managers, cache tools etc.

ToxicIMS – Inventory Management System for Information Archives *2018*
https://github.com/t0xic0der/toxicims-infarc
A database solution built to support operations taking place in a library like maintaining books, users, activities like lending and borrowing along with transactions.

PharmaDB Client and Store *2018*
https://github.com/t0xic0der/pharmadb-store
A digital medical repository with medical supplies, warehouse management, purchase and selling of medicines along with an app for consumers to get their supplies.

COMPETENCY

PROGRAMMING

Python
C/C++
ShellScript
PL/SQL

ANALYTICS

SQL
RDBMS
JSON/XML
MS Excel
MongoDB
MATLAB

INFORMATICS

Django
Flask
Requests
HTML
CSS
Javascript

TOOLKITS

Illustrator
Office
LucidChart
PyCharm
Git/SVN
Unity3D

PLATFORM

Windows
GNU/Linux
MacOS X
Android

RESEARCH PUBLICATIONS

Multi-tiered Decentralized Logical Network for Secure File Sharing *2020*
International Conference on Machine Intelligence & Smart Computing (2020)
A system aiming to create a dynamically load-balancing network by using equitable decentralization with added protection for secure and speedy file sharing.

Facial Keypoints Detection Using CNN and Autoencoder *2020*
International Conference on Machine Intelligence & Smart Computing (2020)
A study on how the distinctive features of face can be recognized and stored for with an application on biometric-based identification and information security

WORK EXPERIENCE

Contributor (Freelance) *2020-**
Fedora Project

Cybersecurity Analyst (Internship) *2020-**
Zerogons

EXTRACURRICULAR ACTIVITIES

Lead Designer @ AjaanVriksha *2018-20*
Worked for the college's official cultural magazine for a period of two years

Video Game Development @ Unity 3D *2019*
Designed and created a survival horror video game prototype, WildFire

Competitive Programming *2018-**
Frequently participated and qualified in multiple programming activities

Defence Interviews @ Indian Army and Indian Navy *2018*
Qualified for SSB interviews and actively contended till the conference stage

CCA Captain @ School *2016-17*
Organised and presided over multiple co-curricular activities in school

Creative and Imaginative Compositions *2009-**
Won numerous poetry, elocution, quizzes, group discussion and essay competitions

CERTIFICATIONS COMPLETED

GCP Fundamentals: Core Infrastructure *Apr '20*
Google Cloud Platform, Coursera (Basic cloud toolkits)

Cybersecurity Foundation *Apr '20*
Palo Alto Networks Academy, Coursera (Concepts and Case studies)

Python 101 for Data Science *Feb '20*
Cognitive Class, IBM (Tour on Commonly used modules)

Project Management for Manager *Feb '20*
NPTEL, MHRD India (Project Lifecycle Management and more)

MongoDB for Python Developers (M220P) *Mar '19*
MongoDB Inc. (Case Study using a Flask based Mflix web app)

MongoDB Basics (M001) *Jan '19*
MongoDB Inc. (Concepts and MongoDB Compass/Shell training)