Akashdeep Dhar

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

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○ t0xic0der

CAREER OBJECTIVE

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

ACADEMIC QUALIFICATION

MIT Academy of Engineering (SPPU)   Kendriya Vidyalaya No. 3 (CBSE)

PURSUING	9.55 ɢ	9.28 ɢ	8.76 ɢ	85.4 %	94.4 %
B. Tech. (2021)	**TY (2020)**	**SY (2019)**	**FY (2018)**	**HSC (2017)**	**SSC (2015)**

NOTABLE ACHIEVEMENTS

- 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)
- 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

Secure Peer-based Environments in Equitable Decentralization (S.P.E.E.D.)   *(2020)*
https://github.com/t0xic0der/protexon
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.)   *(2020)*
https://github.com/t0xic0der/forge
A reserved and 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/PharmaDBClient & https://github.com/t0xic0der/PharmaDBStore
A digital medical repository with medical supplies, warehouse management, purchase and selling of medicines along with an app for consumers to get their supplies.

RESEARCH PAPERS

Secure Peer-based Environments in Equitable Decentralization (S.P.E.E.D.)   *(Pending)*
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.)   *(Pending)*
A reserved and closed message transfer system with timestamp-based key pair generation and
expirable messages – especially meant for protected providence exchange.

Processing Pattern of CPUs Under Prolonged Active Load   *(Pending)*
An in-depth analysis of how CPUs of multiple instruction sets and architecture perform under
prolonged load of activities in both single and multicore environments.

Effective Load Distribution and Fault Detection in Distributed Computing   *(Pending)*
A study on the dynamic nature of task distribution among multiple connected computing systems
and quick fault detection and task reallocation on events of a failure.

EXTRACURRICULAR ACTIVITIES

Lead Designer @ AjaanVriksha   *(2018-2020)*
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 onwards)*
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   *(2016-2017)*
Organised and presided over multiple co-curricular activities in school

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

GENERAL COMPETENCIES

Programming	C/C++ | Python | Bash
Analytics	SQL | MS Excel | MongoDB | Matlab
Informatics	Django | HTML | CSS | Javascript
Toolkits	Illustrator | Office | LucidChart | Unity3D
Platforms	Windows | GNU/Linux | Mac OS | Android

PERSONAL INFORMATION

Hobbies	Music | Videogames | UI/UX Design | Distrohopping
Languages	Hindi | English | Bengali | Marathi

DECLARATION

I hereby declare that all the information stated above are true to the best of my knowledge as of 15th March 2020.