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in Viswak Hanumanth

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Viswak Hanumanth

Education

2016–2020 **Indian Institute of Technology Patna**, *Bachelor of Technology in Computer Science and Engineering*, GPA: 8.94/10, (After 6 semesters).

2013–2015 **Senior Secondary, CBSE, SVMHSS, Anandasramam, Salem, 96%**.

Experience

May 2018 - **Google Summer of Code Intern**, *The Honeynet project*.

Aug 2018 ○ Completed my GSoC 2018 on the project SNARE/TANNER.

Aug 2018 - **Core member, Norwegian chapter**, *The Honeynet project*, Michigan, USA.

- current ○ The honeynet org is a famous cyber-security based open source organization.
○ I had been invited by the CRO Lukas Rist to join Norwegian chapter of the org.
○ I am currently a member of this org and hold collaborator rights on the repository of one of their projects.

July 2019 **Special invitee**, *The Honeynet project Workshop*, Innsbruck, Austria.

- The Honeynet Project Workshop is an annual workshop cum conference conducted by the honeynet org, where global cyber-security professionals, experts and enthusiasts gather.
○ I had been selected as one of the 6 students from all over the world to get full funding to attend the workshop and also gave a lightning talk in front of the members.

Achievements

Comp coding Rated **2175** (5 star) on *Codechef* and **1850** (Expert) on *Codeforces*.

JEE Adv Secured 96.7 percentile out of 150,000 candidates in JEE Advanced (2016).

School award Recipient of the school's *Student of the year* award on both the graduation years (2013 and 2015).

Projects

Oct 2018 - **Training and Placement Portal**,

Jan 2019 Under Prof. Mayank Agarwal, IIT Patna (Python, Django, MySQL).

- Web-application portal to make the training and placement process efficient.
○ Created the server using Django framework backed by a MySQL database.

- Dec 2017 - **SNARE-TANNER**, *(Python, Aiohttp, JWT, HTML, CSS)*.
 current
 - An open source python based web-application honeypot aimed at capturing maliciousness all over the web.
 - I wrote unittests and reconstructed the code-base to make it more organized, which was initially all in a single python file.
 - I improved the analyzing technique of the honeypot by creating heuristic decision binary-trees making the detection process more meaningful and sustainable.
 - I created authorization for its API using JWT, to secure the honeypot's detection data, which was previously not secure.
- Jan 2018 - **Credential capturing honeypot**, *(Python, Aiohttp, JWT, HTML, CSS)*.
 Apr 2018
 - A python based web-application honeypot aimed at capturing credential of maliciousness personell within a specific organization.
 - Created the server, analyzer and webUI using aiohttp python library.

Technical Skills

- Languages C, C++, Python, Javascript, HTML, CSS, SQL
- Tools and Libraries Docker, Git, LATEX, Django, Asyncio, Aiohttp, Nmap, Nikto, Wireshark, Httprint, Nessus, John, Sony vegas, Blender

Courses

- Computer Science Operating Systems, Networks, Secure system design, Analysis of Financial Data, Databases, Computer Architecture, Formal Language & Automata Theory, Programming and Data Structures, Algorithms, Switching Theory, Innovation Design Lab.
- Mathematics Linear Algebra and ODE, Real and Complex Analysis, Partial Differential Equations, Discrete Mathematics, Probability Theory.
- Others Kali linux pentesting tools.

Position of Responsibility

- 2017 - **Coordinator**, *Cyber Security*, NJACK(Computer club), IIT Patna.
 present
 - Created cyber security branch of the club, to increase awareness about maliciousness, attacks and the need of security.
 - Conducted lectures on Linux security, popular attacks and protective measures.
- 2018 - **Mentor**, *Institute Student Mentorship Programme*.
 present
 - Academic guide to four freshmen year students over the period of two years.

Miscellaneous

- Inter IIT volleyball player
- Singer
- Gamer