Kapsha Suraj Singh

Cyber Security Student - Bengaluru, India, 560078 [Website](surajk013.github.io) [Linkedin](https://linkedin.com/in/suraj-singh-k) [Github](https://github.com/surajk013)

# Work Experience

* **3 months** of Cyber Security Diploma **Internship** at **Netty Brains** *Bengaluru , India ; Mar 2023 – June 2023*
  + System Administration on Linux
  + Remote System maintenance
  + Hands-on CPU hardware maintenance at Netty Brains
* **3 months** of **Industrial Training** of **Intel Unnati** Program *Online mode ; May 2024 - Jul 2024*
  + Detection of Pixelated images – achieved an accuracy of around 60%
  + Python script automation to enhance the image using ffmpeg and embedded Bash
  + Use of open source software [FOSS] like FFMPEG and UPSCAYL

# Key Skills

* **Programming Languages –** C, JAVA , PYTHON
* **Front end –** HTML , CSS , JS
* **Technologies –** VCS , automation using BASH scripting
* **Developer Tools -** Linux, Git , Neovim , MariaDB

# Personal Projects

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| * Working on Improvising Termux API location request to retrieve location datato send an emergency **SMS** when android battery goes **below 10%**   Link: [Github](https://github.com/surajk013/emergency)   1. Works without internet [**100% offline**] 2. Termux [android terminal emulator] inherent API 3. Accurate location details latitude/longitude along with altitude and speed using GPS [ when offline] – 4. Popular map applications does allow location sharing with particulars but it doesn’t notify when one has a low battery % after which the phone might die 5. Minimalistic code | *Feb 2025- present* |
| * Automating **Secure remote file transfer** among devices of any brand [does not need to be in the same network]  1. **Saves around 10% of time** / on each transfer 2. Notifies when manual intervention is required 3. Maintains a SFTP connection among devices supporting dynamic IP 4. Supporting playing media 5. Can work with EPI [external peripheral devices ] as native shell | *Aug 2024 - Sep 2024* |
| * Training Project at DHS informatics ,Jayanagar, Bangalore, Karnataka Privacy Preserving Biometrics for Aadhar verification  1. Developed a website ensuring citizen data privacy using hashed credentials for secure storage. 2. Added a hash layer to protect user data from tampering and enhance cloud security. | *Mar 2023-Jun 2023* |

# Career Highlights

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| * Reached the **Grand Finale** in Terra Tech **national** level Hackathon | *Mar 2024* |
| * Achieved **2nd prize in State level** paper presentation held at VET College | *Feb 2024* |
| * **First prize in TECHBIZ@SJP State Level** Inter-College coding competition | *May 2023* |
| * **5 Star** C language badge in Hacker Rank | *2021* |
| * Was able to Install **proprietary NVIDIA** Drivers [ for arch] in 2024 for **GT 710**   [ which was brought around 2016 ] | *Aug 2024 – Dec 2024* |
| * **Published a paper** on “Temporal Analysis and CWE Code Prediction for Software   Vulnerabilities using Machine Learning” at the **8th IEEE internal conference on CSITSS**  Paper ID - 943 | *Nov 2024* |

# Education

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| * **Bachelor of Technology 3rd** Year CSE – **Cyber Security RV College of Engineering** ;   Bengaluru , India CGPA: 8.11 | *2023 - present* |
| Secured **148th Rank** in State Common Entrance Test | *2023* |
| * **Diploma in Computer Science and Engineering VET BVL Polytechnic** ;   Bengaluru , India CGPA: 9.88 | *Dec 2020 – Apr 2023* |
| 10th CBSE **Martin Luther Public School** ;  Bengaluru, India Grade:86.6 % | *Jun 2016 - Sep 2020* |

# Certifications

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| * **NPTEL** - Data Structures and Algorithms using Java | *Jul 2022 - Oct 2022* |
| * **NPTEL** – Introduction to Graph Algorithms | *Jul 2024 - Sept 2024* |
| * **Infosys**- **Spring Board** - Introduction to Cyber Security | *Sept 2022 - Nov 2022* |
| * **IBM on Coursera** - Getting started with Git and Github | *Mar 2023 - Apr 2023* |

## Interests

Routine Automation, Bash scripting . Video editing( Kinemaster , adobe After Effects, kdenlive) ,Problem Solving, Programming , Football, Cricket , Cooking, Animation .

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## Languages Known : English, Hindi, Kannada, Telugu

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*For more details about me visit my personal website –* [*surajk013.github.io*](surajk013.github.io)