

Harishankar Kumar

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EDUCATION

- **Thapar Institute of & Engineering Technology** Patiala, Punjab
Bachelor of Technology - BTech; 8.6 CGPA 2020 – 2024
- **Kendriya Vidyalaya No 2** Ferozepur Cantt, Punjab
XII, PCM; 95% Boards 2007 – 2020

OPEN SOURCE AND VOLUNTEERING

- **Google Summer of Code** Remote, Remote
Contributed to ScummVM under GSoC'23 - [Project link](#) May 2023 - Sept 2023
 - **Audio Mixers and Graphics:** Added support for new audio formats and improved frame rendering algorithms including optimizations and pixel-by-pixel drawing.
 - **Virtual Machine and Simulation:** Improved support for new games while fixing various bugs in simulator.
 - **Compiler Optimization:** Fixing bugs in compilers and adding edge cases in code, Compiling Lingo to C++ using Yacc Parser.
 - **BuildBot (CI/CD):** Fixed deployment warnings, memory leaks and added support for screenshot matching between subsequent builds.

PROJECTS

- **MeraAadhar:** An application where user can book operators for **doorstep Aadhar updation**. Winner of Smart India Hackathon 2022 (Team SHARK), **awarded 1 lakh rupees**. (Flutter, Django, FastAPI) [Link \(Linkedin Post\)](#)
- **Ishe:** A terminal application that uses airmon-ng and ARP Poisoning to **sniff packets** and **perform MITM attacks** on a network. (Python, Scapy, Airmon-ng) [Link \(GitHub\)](#)
- **Azpn:** Azure free vpn for students only, it uses set of python snippets to create openvpn based server on virtual machine and generate client profiles, used to bypass firewall blocks on university wifis [Link \(GitHub\)](#)

HONORS AND ACHIEVEMENTS

- **HackTU 2023 Winner:** Collaboration of Societies, Awarded 20k rupees for developing Finfy financial training app
- **SIH' 2022 Winner:** Government hosted biggest student hackathon promoting problem-solving through technology
- **Maketahon 3077 (2021) Winner:** Hosted by Microsoft Learn Student Chapter (MLSC) Society
- **Hackclipse 2021 Winner:** Created Pustika, book reselling platform that is my first university hackathon experience

MISCELLANEOUS

- **Content Analysis of Twitter conversations associated with Turkey-Syria Earthquakes**
Research paper published under ICDAM 2023 Conference, analysing turkey-syria earthquakes by tweets
- **Data Structures and Algorithm**
Solved more than 400+ questions on various platforms, profiles: leetcode, geeksforgeeks, codingninjas