

Raghav Sharma

✉ raghav.sharma17@outlook.com | ☎ +91-9880918485 | [in raghavTinker](https://www.linkedin.com/in/raghavTinker) | [gh raghavTinker](https://github.com/raghavTinker)

EDUCATION

Thapar Institute of Engineering and Technology, Patiala

Sept. 2020 – Present

Bachelor of Engineering in Computer Science

PROJECTS

Notion-DiscordBot | *Python, Heroku, TravisCI, Docker, Git, SQLAlchemy*

- Developed a link management system using Python using Notion API to manage links in Notion via Discord
- Centrally hosted bot that manages different Notion databases across 25 different worldwide Discord servers
- Containerised the application to enable running it in a Docker container
- Link to [Repository](#)

30-Days-Google-Cloud-Leaderboard | *Python, Flask, SQLAlchemy, Docker, React, Dart*

- A leaderboard for the students of Thapar who are participating in the 30 days of Google Cloud Challenge
- Scraped the badges of participants from Qwiklab profile using BeautifulSoup
- Built an email bot to get updated Qwiklab profiles in bulk from the cloud facilitator
- Containerised the API and deployed the application
- Link to [Repository](#)
- Deployed link - 30daysofgep.dsctiet.tech

Notefy | *Django, Django Rest Framework, React, Git, Dart*

- Built a REST service using Django Rest framework serving React frontend and Flutter app
- Implemented OAuth for the application
- Built ToDo app and refactored the notes app
- Containerised the API and deployed the application
- Link to [Repository](#)
- Deployed at notefy.servatom.com

Smart-Home-Doorbell | *Python, Telegram Bot, IBM Watson Text-Speech API, IOT, Raspberry Pi*

- Sends a photo to the owner of the house when a person rings the bell
- Used Telegram Bot library for communication.
- Converts message of owner to speech for the guest
- Link to [Repository](#)

Home-Lab-Server | *Linux, Networking, Server Management, Virtualisation, PC Building*

- Built Samba file server and CCTV system using MotionEyeOS
- A virtualisation server running a custom pfSense router and a VM hosting public APIs
- Built a homelab for experimentation with different tools and ideas
- IoT lab consisting multiple Raspberry Pis and NodeMcu
- Docker server to deploy various different Docker images for testing

POSITIONS OF RESPONSIBILITY

Mentor

February 2022 - Present

Girl Script Summer of Code

Remote

- Managing PRs and project structure of participants

Core Member

September 2021 – Present

Google Developer Student Club

Patiala, Punjab

- Rebuilt the official Website backend and worked on creating an automated deployment solution using Ansible
- Built an automation system for getting leaderboard of 30 days of Google Cloud Challenge
- Initiated a new podcast series in the club

Member

October 2021 – Present

Creative Computing Society

Patiala, Punjab

- Deployed projects like the Capstone Portal for Thapar University

TECHNICAL SKILLS

Domains: Backend Development, Automation, DevOps, Server Management, IoT, Networking

Languages: Python, C/C++, Swift, Bash Scripting

Frameworks and Libraries: Django Rest Framework, Flask, SQLAlchemy, BeautifulSoup, discord.py, Selenium

Developer Tools: Git, Docker, Heroku, TravisCI, VS Code, Google Cloud Platform, Linux, Nginx, Ansible