

Raghav Sharma

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EDUCATION

Thapar Institute of Engineering and Technology, Patiala

Sept. 2020 – Present

Bachelor of Engineering in Computer Science

PROJECTS

30-Days-Google-Cloud-Leaderboard | *Python, Flask, SQLAlchemy, Docker, React, Dart* October 2021

- 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 - 30daysofgcp.dsctiet.tech

Notefy | *Django, Django Rest Framework, React, Git, Dart* July 2021 – September 2021

- 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

Notion-DiscordBot | *Python, Heroku, TravisCI, Docker, Git, SQLAlchemy* July 2021

- 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](#)

Smart-Home-Doorbell | *Python, Telegram Bot, IBM Watson Text-Speech API, IOT, Raspberry Pi* April 2021

- 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* 2015-Present

- 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 nodemcus
- Docker server to deploy various different docker images for testing

POSITIONS OF RESPONSIBILITY

Core Member 2021 – Present

Google Developer Student Club

Patiala, Punjab

- Part of the technical team responsible for ideating and developing various projects
- 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

Member 2021 – Present

Creative Computing Society

Patiala, Punjab

- Built a discord bot for HackTU 3.0 for managing the online presence of the hackathon

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