

Nikhil Kumar

+91-9817204019
nikhilraghav.codes
nikhil1.raghav@gmail.com

nikhil1raghav
nikhil1_raghav
nikhil1_raghav
nikhil1_raghav

Education

JC Bose University of Science & Technology, YMCA, Faridabad

CGPA: 8.5

Bachelor of Technology/Computer engineering, graduating June 2022

Sainik School Rewari, Haryana

July 2010 - Apr 2017

Recommended by SSB 18 Allahbad, AIR 34 in NDA

Senior School Certification Exam (CBSE) | Score: 84.4%

Secondary School Certification Exam (CBSE) | CGPA: 10

Skills

- > **Languages:** Go, C/C++, Python, bash, javascript, SQL
- > **Frameworks/Tools:** React JS, Flask, Git, Docker, Archlinux, Vim

Projects

Headers

June 2021 - Present

- > A tool to create cover arts for twitter, linkedin, mastodon and other social media profiles, with zero design experience. Using **React JS** and **HTML 5 Canvas**.
- > Wrote a **line-wrap algorithm** from scratch as Canvas doesn't support line-breaks. Learned internals of React and lifting states between web-components.

Rssbot

Mar 2021 - Apr 2021

- > A telegram bot to **disperse updates from any youtube channel, subreddit, github repo commits** or any other web resource that supports atom/rss syndication.
- > Served over **100 unique users**, accumulating about **200 feeds** and sent over **5000** messages.
- > Written in Python, used **PyTelegramBotAPI** and **sqlite**. Learned how to manage and run app on a remote server. Multithreading in python for dispersing auto-updates and took some clever decisions to optimize query time and memory usage.

Musync

Apr 2021 - Apr 2021

- > An easy to use tool to **sync music across devices** on the same network using **ssh** and **rsync**.
- > Pored over **usage of ssh**, best practices of **incremental backup** and invoking **shell in python** and creating **cron jobs**.

Recognition

- > **Finalist, Smart India Hackathon 2020**, (top 8 teams) under student innovation.
- > Qualified for **ICPC Regionals Gwalior Site, 2020**.
- > Secured **AIR 16 in Scaler Edge 2021** out of **10,400** active participants.
- > **AIR 130 in Google Hash Code 2021**.
- > **Topcoder Div 1, Expert** on Codeforces, **1989** on Codechef.