

# PRITAM HALDER

Aspiring Software Developer

[pritamh.dev](https://pritamh.dev)

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I am an aspiring software developer specialising in frontend and backend web technologies. I love to dabble with new and upcoming web technologies and provide solutions to real world problems. Currently, I am learning Go and its design principles with gRPC framework and GraphQL technologies.

"The most damaging phrase in the language is - it's always been done this way"

## SOCIAL LINKS

Portfolio : [pritamh.dev](https://pritamh.dev)  
Github : [github.com/poseidon-code](https://github.com/poseidon-code)  
LinkedIn : [linkedin.com/pritamhalder](https://linkedin.com/pritamhalder)  
Facebook : [fb.com/pritamhalder](https://fb.com/pritamhalder)  
Telegram : [t.me/pritam\\_poseidon](https://t.me/pritam_poseidon)

## TECHNICAL SKILLS

### Programming Languages

Python / Go / JavaScript / C / C++ / Core Java

### Frameworks

Next / React / Node / Express / Selenium / Redux / GraphQL

### Tools

Git / Github / Visual Studio Code / Netlify / Heroku / Nginx / Docker

### Technologies

HTML5 / CSS3 / SASS / MySQL / MongoDB

## COURSE WORK

### Post Graduation

Advanced Computer Architecture  
Advanced Database Management Systems  
Advanced Data Structures and Algorithms  
Advanced Operating Systems  
Computer Networks  
Object Oriented Programming  
Software Engineering  
Compiler Design  
Artificial Intelligence  
Cloud Computing  
Mobile Computing  
Graph Theory

### Dissertation Project

Automatic CAPTCHA verification solver for visually impaired users on the web. (Pattern Recognition & Systems Design)

## ACHIEVEMENTS

- Placed **2<sup>nd</sup> (2/1270)** in StackHack 2.0 International Hackathon organised by HackerEarth
- Placed **5<sup>th</sup> (5/2818)** in HackCOVID 2.0 International Hackathon organised by HackerEarth

## EDUCATION

### WEST BENGAL STATE UNIVERSITY (WBSU)

MSc. Computer Science (ongoing) | 2021 - 2023

Graduating - August 2023 | CGPA : **TBD**

### ACHARYA PRAFULLA CHANDRA COLLEGE (WBSU)

BSc. Computer Science (Honors) | 2018 - 2021

Graduated - August 2021 | CGPA : **8.83**

### KENDRIYA VIDYALAYA (CBSE)

PCM with Computer Science

Graduated - May 2018 | Percentage : **72.3%**

## EXPERIENCE

### HackCOVID 2.0 (Hackathon) | May 2021 - July 2021

Organisation - HackerEarth | Remote

Contest: [hackerearth.com/hackcovid2](https://hackerearth.com/hackcovid2)

An application that allows COVID19 affected individuals/families and their caregivers to easily avail themselves of multiple services/offerings by volunteers in their vicinity or across the country.

### BACKEND | JavaScript - Node - Express - MongoDB - JWT - RazorPay

- Designed the entire authentication system using JWT which reduced the response time of a authorised request by 50%.
- Implemented simple continuous deployment design which eased the team from deployment complexities, using Netlify and Heroku.

### FRONTEND | JavaScript - React - Sass

- Laid out the initial design of page routing and data flow through components making the team prepared for implementation.
- Designed, fixed & ported website styles using Sass providing a structured view helping with better readability.

### cppsecrets.com (Internship) | October 2019 - December 2019

Designation - C++ Developer | Remote

Profile: [cppsecrets.com/pritamhalder](https://cppsecrets.com/pritamhalder)

- Documented & implemented C++ Boost libraries, more specifically Core libraries, adding to the largest documentation of C++ libraries.
- Accumulating over 4000+ views on all the articles present on the site authored by myself.

## PROJECTS

### Portfolio | Next - Strapi CMS - GraphQL - MongoDB - Sass

Website : [pritamh.dev](https://pritamh.dev)

Personal portfolio website designed from scratch using Next and Strapi CMS to showcase my skills and projects for potential clients.

- Made using Next and the data is served from Strapi CMS using MongoDB as database & GraphQL for data queries.
- Unique & simple design style, using SASS for convenience of generating multiple classes with random colors programatically.
- Used Next's API route handling for sending emails from the site.
- Complex data structuring and modification for fetched data using basic JavaScript, reducing dependencies on 3rd-party libraries.

## INTERESTS

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Painting / Graphics Design / Programming / Gaming Enthusiast / Music / Cars / Linux Ricing / Reading / Home Server Geek / Virtual Machines Nerd / Wallpapers Hoarder

## SOFT SKILLS

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- Efficient in working & adapting to new locations & with new teams.
- Love to teach & help new teammates made me confident with my skills.
- Good work culture and trying my best to provide it, is my everyday goal.
- Learning & gaining corporate experience is what I am always looking forward to in my journey.

## Identicon | Go

*Github* : [poseidon-code/identicon](https://github.com/poseidon-code/identicon)

*Package* : [poseidon-code/godenticon](https://github.com/poseidon-code/godenticon)

Cross-platform CLI program to generate identicons based on some string passed as argument and save as a PNG image. Basically, an unique image generator for identicons.

- Used Go's robust builtin image library, giving literally Zero dependency on 3rd-party code, to generate crisp PNG images with low file size.
- Used Go's platform independent cross compiling capability to build & distribute executable for different operating system architectures.
- Intuitive & documented command line interface for ease of use. Tried to establish a standard for generating identicons from hashes.

## ytmp3-dl | Python - YoutubeDL

*Github* : [poseidon-code/ytmp3-dl](https://github.com/poseidon-code/ytmp3-dl)

A python script that uses yt-dlp to download the audio from any YouTube video/audio link concurrently and converts it to .mp3 format of high quality.

- Made using Python and yt-dlp python library for downloading YouTube audio and converting them to .mp3 using ffmpeg.
- Handled a simple terminal printing design. Packaged the complete software as an usable binary for easier usage.