PRITAM HALDER
Aspiring Software Developer

Debpukur, Sewli Telinipara, North 24 Parganas, West Bengal, 700121

✉ pritamhalder.portfolio@gmail.com

📞 9874807740

I'm a Kolkata based aspiring software engineer who specializes in building and designing fullstack products leading projects from research to implementation. I combine empathy, business strategy and design to create exceptional user experiences.

BIO

DOB : 5th June 2000
Nationality : Indian

🌐 /pritamh.netlify.app
⚙ /poseidon-code
f /pritamhalder0506
⊙ /pritam.poseidon
in /pritamhalder0506

SKILLS

`Go` `Python` `JavaScript`
`Next` `React` `Node` `C/C++`
`Data Structures` `Algorithms`
`Git & Github` `Linux` `SASS`
`MongoDB` `SQL` `GraphQL`
`MERN Stack` `HTML5 & CSS3`
`Core Java` `Shell Scripting`
`Headless CMS` `UI/UX Designing`
`TypeScript`

INTERESTS

Painting, Graphics Design, Motion Graphics, Coding, Reading, Linux Customizing (Ricing), Casual Gaming, Contributing Open Source Code, Hackathons

LANGUAGES

English
Professional Working Proficiency

Hindi
Native Speaker

Bengali
Mother Tongue

EDUCATION

School
KENDRIYA VIDYALAYA
Central Board of Secondary Education (CBSE)

April 2005 - March 2008
KV Mathura Cantt., UP

April 2008 - March 2010
KV (AFS) Naliya, Gujarat

April 2010 - March 2018
KV (AFS) Barrackpore, WB

BSc. Computer Science (Honors)
ACHARYA PRAFULLA CHANDRA COLLEGE
West Bengal State University (WBSU)

August 2018 - August 2021
APC College, Madhyamgram, WB

MSc. Computer Science
WEST BENGAL STATE UNIVERSITY
West Bengal State University (WBSU)

October 2021 - Ongoing
WBSU, Barasat, WB

WORK EXPERIENCE

Competitive Coding
Hackathons
HackerEarth

Participated in many hackathons with teams from all over India, submitting and performing tasks given efficiently and complete.

Internship
C++ Developer
cppsecrets.com

Internship as a C++ developer, documenting and testing C++ Boost libraries. Organized and prioritized work to complete assignments in a timely, efficient manner.

PERSONAL PROJECTS

Portfolio

Source Code : *https://github.com/poseidon-code/portfolio*
Site : *https://pritamh.netlify.app*

This is my personal portfolio repository. If you need my skills set for your project, then please go through my portfolio and do contact me. I'm a Kolkata based software engineer who specializes in building and designing full stack products leading projects from research to implementation.

- Made using Next (a React framework for production) and the data is served using Strapi (a headless CMS) using MongoDB as database and GraphQL for data queries.
- Used a very colorful design style to make the site unique and yet simple. Used SASS (CSS preprocessor) for convenience of generating multiple classes with random colors programmatically.
- Used Next's API route handling for sending emails from the site to my mail.
- Complex data structuring and modification for fetched data using basic Javascript. Tried my best to not to include any 3rd-party libraries except core libraries.

Identicon

Source Code : *https://github.com/poseidon-code/identicon*

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

- Made using Go (my first project with Go) - a statically typed, open source programming language by Google.
- Used only the Go's unpar inbuilt libraries throughout the entire program giving it literally 0 dependency on 3rd-party code.
- Used Go's builtin image library to generate crisp PNG images with low size.
- Programmed to parse command line options from the user. Programmed each and every pixel for generating the image.
- Tried to make a standard for generating identicons from hashes.

ytmp3-dl

Source Code : *https://github.com/poseidon-code/ytmp3-dl*

A python script that uses yt-dlp (fork of youtube-dl) to download the audio from any YouTube video/audio link while executing the program, and converts it to .mp3 format of high quality. Downloads are done in a multithreaded way, so faster downloads .

- Made using Python and yt-dlp python library for downloading YouTube audio from videos and converting them to .mp3 using ffmpeg.
- Parsed and handled command line options. Handled a simple terminal printing design.
- Packaged the complete software as an usable binary for easier usage.
- Tried my best to document the whole process of using, installing and building the software for each and every new user regardless of their technical background.

Supacons

Source Code : *https://github.com/poseidon-code/supacons*
Site : *https://supacons.netlify.app*

Vanilla SVG Icons ripped from popular FontAwesome Icon pack ! Get Icons in base SVG codes or modified React JSX codes (for use as a React Component) or download SVGs directly as .svg file.

- Made using Next (a React framework for production).
- Scarped the FontAwesome website for icons using python and selenium automation framework.
- Implemented a simple search bar without any 3rd party library.
- Made icons available in React JSX code, vanilla SVG code and direct download using clever string manipulation.
- First time, implemented some basic SEO for the web app.

Stories.io

Source Code : *https://github.com/poseidon-code/stories.io*
Site : *https://storiesio.netlify.app*

Web app that uses Web Speech API to read a short story fetched from an API on the browser with Play/Stop functionalities.

- Made using React and implementing the browser's Web Speech API.
- Used TailwindCSS (utility-first CSS framework) to handle all the styles.
- Used TailwindCSS's dark-mode utility classes and implemented dark-mode features like remember selected mode and using the browser's current color mode.
- Implemented and tackled Play/Stop features for audio (narration) of the web app using base React features.
- Implemented the backend public API for fetching stories using Node-Express-MongoDB stack, using Node-Express as request handlers and MongoDB as the story database.
- Created a program using python to scrape stories from specific sites and upload them to the database using selenium automation framework for python.

ACADEMICS

School
10th Standard
Passed with 9.0 CGPA out of 10.0

School
12th Standard
Passed with 72.3%

Graduation
BSc. Computer Science (Honors)
Passed with 8.83 CGPA out of 10.0

VOCATIONAL COURSES

Udemy
ReactJs

Udemy
NextJs

Udemy
JavaScript

Udemy
TypeScript

Udemy
Python

Udemy
Web Dev Bootcamp

SOCIAL SKILLS

- Efficient in working and adapting to new locations and with new teams.
- Better technical skills, with love to teach and help new teammates made me confident with my skills.
- Good and skilled seniors helped me gain a huge part of my knowledge base.
- Everyday practice and many tutorials helped me gain more experience.
- Technical leadership and dedication to my work is what I am always looking forward to in my journey