

BHARGAV DAS GUPTA

Software Developer Engineer

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GitHub | **HackerRank**

EDUCATION

Maulana Abul Kalam Azad University of Technology

Computer Science and Engineering B.Tech.

CGPA: 8.94

Kolkata, West Bengal, India

July 2019 - June 2023

Nopany High

Higher Secondary (Science) ISC

Percentage: 82%

Kolkata, West Bengal, India

2017 - 2019

Don Bosco School

Secondary ICSE

Percentage: 88%

Bandel, West Bengal, India

SKILLS

Programming Languages: C, C++, Java, PHP, EcmaScript, HTML, XML, JSON, Python, Bash
Libraries/Frameworks: Bootstrap, JQuery React, Express, Flask
Tools / Platforms: Linux, VCS (Git), Containerization (Docker, LXC), Virtualization (KVM)
Databases: SQL, MongoDB

PROJECTS / OPEN-SOURCE

remindme | [Link](#)

Python3, pip3, Flask, Twilio

A server app that maintains a collection of reminders that are scheduled to be dispatched according to the data (including time) provided by user. Allows user to perform CRUD operations.

Functionalities:-

- Easy to use as information is exchanged between the user and the application via Whatsapp, with the help of Twilio API, in the format of a text message.
- Simple modular architecture (separate components for specific tasks) provides ease of customization
- Specifiable degree of verbosity in information output
- Detailed documentation

backend-api | [Link](#)

Yarn, NodeJS, Express, Mongoose, MongoDB, JWT

E-commerce web application server connected with a MongoDB Atlas cluster (database), that allows CRUD operations.

- Token authorization, using JSON Web Tokens
- Hashed passwords stored in database

battery-charging-limiter-linux | [Link](#)

bash, openrc, linux

Collection of scripts to set battery charging threshold for Linux (aimed at ASUS laptops).

My contributions to this open-source project:-

- Enhancing the main general script (limit.sh)
- Creating openrc init system script (batlimit)
- Creating the script to set the openrc script file at appropriate location (limitrc.sh)

realtime-chat | [Link](#) *Yarn, NodeJS, Express, Mongoose, MongoDB, Socket.io, JQuery, HTML, Bootstrap*

A simple real-time single page chat application.

Functionalities :-

- Real-time message updating
- Both client and server side data sanitizing
- Alert messages to display errors

CERTIFICATIONS

- A Beginner's Guide to Linux Kernel Development (LFD103) - **The Linux Foundation**
- C (Intermediate) - **Hackerrank**
- Problem Solving (Basic) - **Hackerrank**
- JavaScript, JQuery and JSON - **Coursera**
- Using Databases with Python - **Coursera**
- Using Python to Access Web Data - **Coursera**
- Introduction to Structured Query Language (SQL) - **Coursera**

HONORS & AWARDS

Contributed to various open-source projects including projects maintained by Gentoo, Suckless, TLDR Pages.
Github Arctic Code Vault contributor.
Hackerrank 5 stars in Problem Solving.