Riad Afridi Shibly

(+880)174-257-2389
shibly1505049@stud.kuet.ac.bd

github.com/riadafridishibly
hackerrank.com/riadafridishibly
linkedin.com/in/riadafridishibly

Skills

- **Programming Languages**: Python, Golang, JavaScript, C, C++
- **Tools**: Vim, git, LaTeX, Bash, Docker
- **Frameworks**: ExpressJS, Flask, p5js, Processing
- **Database**: PostgreSQL
- **Operating Systems**: Arch Linux, Ubuntu, Windows

Education

- **Khulna University of Engineering & Technology** — Khulna, Bangladesh
  B.Sc. in Mechanical Engineering — *March 2016 – Present*
- **Amrita Lal Dey College, Barishal** — Barishal, Bangladesh
  Higher Secondary Certificate (HSC) — *2013 – 2015*

Experience

- **Control Engineering Club (LOOP), KUET** — Khulna
  Chief Executive Officer — *Sep 2017 - Sep 2018*
  - Guided non-CS major students to develop a basic understanding of Programming and Embedded Systems
  - Instructed 120 students C Programming and Embedded Systems Programming

Academic Projects

- **Visualizing fluid flow around objects in 2D Using Lattice Boltzmann Method [GitHub]**: Navier-Stokes solver using Boltzmann approximation implemented in Processing Language.
- **SIF Analysis of Arbitrary Shaped Cracks in 3D Elastic Body using Body Force Method (Thesis)**: SIF solver using BFM implemented in Python.

Personal Projects

- **Local Video Streaming Server [GitHub]**: YouTube like video streaming leveraging HTTP Range request using NodeJS
- **Tiny Downloader [GitHub]**: A Downloader written in Golang which supports multiple connections to achieve faster download speed.
- **TFSC [GitHub]**: **Tiny File Server and Client** using custom protocol on top of python's socket library.
- **Sudoku Solver [GitHub]**: Recursive Sudoku Solver implemented in C++ using Raylib graphics library.
- **Processing Visualizations [GitHub]**: Visualizations and Ideas implemented in Processing.
- **Coolify [GitHub]**: Coolify text using 21st century idioms.

Selected Courses

- **The Bits and Bytes of Computer Networking**: Described computer networks in terms of a five-layer model and all of the standard protocols involved with TCP/IP communications.
- **Building Web Applications in Django**: Building Web Applications using Django's ORM Model.

Personal Interests

- Cycling, Drawing, Teaching, Travelling, RegEx, Creative coding