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SKILLS

- **Programming Languages:** Python, C, C++, Golang
- **Tools:** Vim, git, L^AT_EX, Bash
- **Frameworks:** Processing, Raylib, p5js, Flask, Django
- **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.

PERSONAL PROJECTS

- **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.
- **Coolify** [\[GitHub\]](#): Coolify text using 21st century idioms.
- **Processing Visualizations** [\[GitHub\]](#): Visualizations and Ideas implemented in Processing.
- **YACPTB** [\[GitHub\]](#): **Yet Another C Programming Tutorial in Bangla** is a WIP project to teach in-depth C programming.

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