

Dwaipayan Ray

<https://github.com/raydwaipayan>
dwaipayanray1@gmail.com | 9933134640

EDUCATION

IIST, SHIBPUR

B.TECH IN COMPUTER SCIENCE

July 2018 - July 2022

CGPA upto 4th Sem: 9.63/10

MARY IMMACULATE SCHOOL

Grad. May 2018 | Berhampore, India

LINKS

Github: [raydwaipayan](#)

LinkedIn: [dwaipayan-ray](#)

Codeforces: [dwai009](#)

Codechef: [dwai009](#)

Topcoder: [raydwaipayan](#)

COURSEWORK

UNDERGRADUATE

Database Management System

Data Structures and Algorithms

Object Oriented Programming

Discrete Structures

Probability theory

SKILLS

PROGRAMMING

LANGUAGES

C++ • C • Go • Javascript

• SQL • Perl • Bash

FRAMEWORKS

Node • Vue.js • Nuxt.js

• Go Fiber • Gin Gonic • Qt5

OTHER TECHNOLOGIES

Linux • Docker • Git • Postgres

• Mongo • Vuetify • Bootstrap

• Buefy

MENTORSHIP

Mentor at programming club in college. Organized weekly sessions and hosted several algorithmic programming challenges.

HOBBIES

Playing the piano and composing new melodies.

EXPERIENCE

LINUX FOUNDATION LINUX KERNEL MENTORSHIP PROGRAM (LKMP)

October 2020 – Present

- Evaluate and improve kernel script checkpatch.pl.
- Assess typical warnings over a wide commit range and suggest improvements.
- Fix bugs, develop new features and get them accepted into the kernel mainline.

BANBREACH SOFTWARE ENGINEERING INTERN

March 2020 – August 2020

- Developed web apps using Nuxt.js and Node.js.
- Created a VPN service based on WireGuard protocol.
- Configured cloud servers and deployed applications through Docker.

PROJECTS

SECURE SHARE Vue Js, Vuetify, Golang, Gin Gonic, Docker

PROJECT LINK

A Vue + Golang web application for securely sharing files over network.

- Provides a clean interface using material dark design.
- Files are securely stored on the server and are wiped off after first download.

CODE PASTE Nuxt Js, Vue Bootstrap, Node, Mongo, Redis, Docker

PROJECT LINK

A Nuxt + Node web application for storing and sharing code/text.

- Contains an embedded code editor with syntax highlighting support.
- Expiry time of the pastes can be configured easily. Supports delete on first access.

TEST RUNNER Go, Docker

PROJECT LINK

A Go Module for evaluating correctness of programs against test cases. Uses containers such that every evaluation is sandboxed from the system.

PORTFOLIO WEB APPLICATION Nuxt.js, Buefy css

PROJECT LINK

Portfolio webapp using Nuxt.js and Buefy css.

ACHIEVEMENTS

ACM ICPC 2019 Asia, Kanpur | December, 2019

Regionalist at the ACM ICPC Asia Kanpur Onsite Round.

TCS CODEVITA FINALIST Delhi | February, 2020

Ranked 13 in Round 2 of algorithmic programming event CodeVita organized by TCS and ranked in the top 15 at the Grand Finals.

PUBLICATIONS

[1] Jayanta Paul, Rajat S Bhowmick, Riom Sen, Dwaipayan Ray, Suman S Manjhi, Soumya Sen, Biplab K Sikdar: Evaluation of Face Recognition Schemes for Low-computation IoT System Design. [PAPER LINK](#)