Dwaipayan Ray

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EDUCATION

IIEST, 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**
Codechef: **dwai009**
Topcoder: **raydwaipayan**

COURSEWORK

UNDERGRADUATE
Data Structures and Algorithms
Object Oriented Programming
Functional Programming
Discrete Structures
Probability and Statistics

SKILLS

PROGRAMMING
Languages
C++ • Bash • Python • Javascript
SQL
Frameworks
Qt5 • GTK • Node.js • Vue.js • Nuxt.js
Extras
Docker • LXC/LXD

MINOR PROJECTS

Collaborative markdown editor
CodeIIEST Web App
Rust wget
Qt5 Notepad
Node.js Stock App
React Notes App

HOBBIES

Playing the Piano

EXPERIENCE

BANBREACH Software Engineering Intern
April 2020 – Present
- Developed websites based on Node.js and Nuxt.js.
- Created a new payment interface for company services.
- Maintained docker containers for homegrown services deployment and testing.
- Configured and maintained a video conferencing service based on bigbluebutton.

PROJECTS

SECURE LIGHTWEIGHT PASSWORD MANAGER C++, Qt5
Project Link
Created Pass Zero, a lightweight password manager.
- Developed the application using the Qt5 framework.
- Utilizied argon2 for password hashing and AES-256-cbc for data encryption.

PORTFOLIO WEBSITE Nuxt.js
Project Link
Designed my own portfolio website uisng nuxt.js. It also features a markdown loader for generating blogs.

FACIAL RECOGNITION APPLICATION C++, GTKmm, OpenCV
Project Link
Wrote a C++ Gtkmm based application to train and test facial recognition models.
- The Ui is written using the GTK framework.
- Facial Recognition backend is implemented using OpenCV.
- Three algorithms are supported - Fisher Face, Eigen Face and LBPH.

PROXY SETTER APPLICATION C, GTK, Shell
Project Link
Created GProxy, a C GTK based application for setting/removing various proxy variables in a linux system.

ACHIEVEMENTS

ACM ICPC 2019 Asia, Kanpur | Decemenber, 2019
Regionalist at the ACM ICPC Asia Kanpur Onsite Round.

TCS CODEVITA 2019 Delhi | February, 2020
Finalist at the algorithmic programming event CodeVita organized by TCS.

PICOCTF 2018
Team: d4rks0c1ety. Ranked 252 out of 10,583 participating teams.

CODECHEF
Highest-rating: 2064 (5 Star)

CODEFORCES
Over 800 algorithmic problems solved