ARITRA SARKAR

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ABOUT ME

I am a passionate programmer and a big supporter of Open Source Software.

EDUCATION

Secondary

Ram Mohan Mission High School

Kolkata, India

Board : ICSE
Year : 2017
Score : 86.64 %

Higher Secondary

Aditya Academy Secondary

Kolkata, India

Board : CBSE
Year : 2019
Score : 73.40 %

B. Tech

Kalinga Institute of Industrial Technology (KiiT) University

Bhubaneshwar, India

Branch : Electronics & Computer Science Engineering
Year : 2019-2023
CGPA : 8.90

HOBBIES

Computer Programming
Electronics
Table Tennis
Electric Guitar
Photography
Bike Riding

TECHNICAL SKILLS

Programming Expertice

C	ADVANCED
C++	ADVANCED
Java	ADVANCED
Python	ADVANCED
Haskell	INTERMEDIATE
Shell	ADVANCED
Rust	INTERMEDIATE
JavaScript	INTERMEDIATE
php	ADVANCED
SQL	ADVANCED
Verilog	INTERMEDIATE
Assembly	
ARM	INTERMEDIATE
RISC-V	BEGINNER
x86	INTERMEDIATE

Embedded Systems

STM32	ADVANCED
ESP32	ADVANCED
Arduino	ADVANCED
AVR	ADVANCED
Raspberry Pi	INTERMEDIATE
BeagleBone	ADVANCED
PCB Design	INTERMEDIATE

Web Development

Frontend

HTML + CSS	ADVANCED
Jinja	ADVANCED
ReactJS	INTERMEDIATE

Backend

php + MySQL	ADVANCED
php + PostgreSQL	ADVANCED
Flask	ADVANCED
Django	INTERMEDIATE
Java Servlet	ADVANCED
Spring Boot	BEGINNER

RDBMS

MySQL	ADVANCED
MariaDB	ADVANCED
PostgreSQL	ADVANCED
Oracle	INTERMEDIATE
SQLite	BEGINNER

Operating Systems

Linux	ADVANCED
FreeBSD	INTERMEDIATE

INTERNSHIPS

Technical Summer Intern / Trainee

HighRadius Corporation │ Jan 2022 – Apr 2022

Built an entire web application from scratch along with integrating an ML model and a Database in the backend.

Certificate

PROJECTS

Cryptogram

https://github.com/aritra1911/cryptogram

A toolset of Cryptographic algorithm implementations

2019 │ C

Mini Chat

https://sr.ht/~aritra1911/mc

Network based End-to-End Encrypted Multi-person Chat

2021 – Present │ C (pthreads + OpenSSL)

Binary Clock

https://github.com/aritra1911/avr

Digital clock designed to display time in binary

2021 │ C (AVR)

AI-Enabled FinTech B2B Invoice Management Application

Full-stack (ReactJS + Java Servlet) invoice management application integrating a Machine Learning Model (Python).

2022 │ Java, JDBC, Python, JavaScript (ReactJS), HTML + CSS