SWAPNIL AGRAWAL
B.Tech. - Electronics & Communication Engineering
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KEY EXPERTISE

Android SDK · Dart · Flutter · Kotlin · CPP · Python · Java · HTML5 · CSS · Javascript · HTML · C · Data Structures
Algorithms · Networking · Computer Networking · SCADA · Cisco · Cisco Packet Tracer · CLI · PLC Programming · CBM

EDUCATION

Indian Institute of Information Technology, Bhagalpur   2021 - 2025
B.Tech. - Electronics & Communication Engineering | CGPA: **7.52 / 10.00**

Delhi Public School Bhilai, Bhilai   2021
12th | CBSE | Percentage: **92.40 / 100.00**

DAV Public School Burhar, Shahdol   2019
10th | CBSE | Percentage: **90.20 / 100.00**

INTERNSHIPS

Reliance Industries Limited   29 May, 2023 - 28 Jun, 2023
Network Engineer

Key Skills: Networking · Computer Networking · Network Theory · Cisco · Cisco Packet Tracer · CLI · SCADA · GERC · CBM

Worked on establishing remote operations for GERCs in plant. Also assisted in designing logics in IEC 61131-3 Standard languages to optimize ACHE Fans, Down-Hole Gauge Dewatering Pumps and SCADA Systems.

TEN Ltd.   03 Mar, 2022 - 04 Apr, 2022
Python Development Associate

Key Skills: Python · Django

Worked as a Python and Django Developer and deployed a complete web framework for the company.

PROJECTS

Remote Operations of GERC   29 May, 2023 - 28 Jun, 2023
Mentor: Mr. Aditya Saini, Mr. Pankaj Garg | **Team Size:** 5

Key Skills: Cisco Packet Tracer · Cisco · SCADA · CLI · PLC Programming

The study of remote operations of Gas Engine-driven Reciprocating Compressors (GERC) involves in-depth analysis and implementation of advanced technologies that facilitate the control, monitoring, and management of these compressors from a remote location. This interdisciplinary field combines principles of mechanical engineering, automation, and telecommunications to enable efficient and reliable operation of GERC without the need for constant on-site presence.

Personal Portfolio Website   15 Apr, 2022 - 05 May, 2022

Key Skills: Web Development · Front-End Web Development · HTML · CSS · Javascript

Designed a complete Personal Portfolio Website with the use of Pure HTML and CSS. This website consists of the various links to my social, methods to contact me personally, everything about me. This website includes a few buttons which redirect the client to other linked webpages and also a ton of CSS styles to make it look awesome!

Program to detect use of Unfair Means in Online Examination   07 Jan, 2022 - 22 Mar, 2022
Mentor: Dr. Sanjay Rudra

Key Skills: Python · Opencv · Speech Recognition · AI

AntiCheat.py is a python program developed to avoid the use of Unfair Means carried out by students during Online Exams. It consists of several libraries working together to solve it. A Speech-Recognition program would ensure that the student doesn't use any hands-free assistant to look for answers, A motion detection makes sure that the student isn't peeping into a book kept nearby. Yet if the student used to be caught with any such mal practices, the program would send the data along with time stamps to the invigilator at the end of the test.

WEB LINKS

- Github - https://github.com/ifeelraja
- Codechef - https://www.codechef.com/users/swapnilag17
- Personal - https://ifeelraja.github.io/mera.portfolio/index.html