Ishan Jabalpure

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PROJECTS

Efficient Sun Tracking Solar Panel | *Team Lead* | *Arduino, C*   Feb 2023 – June 2023
- Made advancements in solar tracking systems by eliminating sensors in tracking systems
- Optimizing solar power generation and enhancing the efficiency of the technology and existing systems
- Made solar tracking systems more economical, practical, and viable for mass usage and application

URL Shortener | *Python, Django, Html, SQLite*   June 2023 – Present
- Leveraged Django framework to handle backend operations and used SQLite as the database.
- Created an interface using HTML to allow users to input URLs and generate shortened versions

Remote Water Refilling System | *C, Blynk IOT*   Feb 2023 - June 2023
- Used NodeMCU, Ultrasonic sensor, and Relay to configure a system that can accurately determine the level of water in a specified container
- Developed an interface using the Blynk platform to remotely control the system and to display the current level.

EXPERIENCE

Intern   March 2023 – April 2023
UCN India   *UCN Head Office, Nagpur*
- Learned to set up, develop and maintain computer networks within the organization and between organizations
- Understood best practices to be used while forming and troubleshooting a network on a large scale

Python Development Intern   Feb 2023 - Mar 2023
Code Clause   *Remote*
- Created URL Shortener as part of internship project. The project's objective was to employ a database and create an interface for users to benefit from the service while using an algorithm to perform the shortening operation.

ACHIEVEMENTS

- **LeetCode: 2.5** Stars, Contest Rating - **1558**, solved 230+ problems. (Profile) • **Codeforces:** Rated 840 (Profile)
- **Codechef:** Rated **2 Star (1492)**, Global Rank **580** in Starters 95 Division 3, Ranked 1st twice in Institute at the same division, Solved 80+ problems in 20+ contests. (Profile) • **Github: 800+** Contributions
- **GeeksForGeeks:** Institute rank **33**, 550+ Coding Score, 240+ problems solved. (Profile)
- **Wakatime:** Ranked **4525** in weekly leaderboard (Link), **70+** hours in Python since May 25th. (Profile)
- **HackerRank: 5 Stars** in Python, **2 Stars** in Problem Solving (Profile) • **95/100** in HSC Mathematics (Link)
- **Amcat: 99** percentile in Automata, Rank **32** in Aptitude Section among **1147** candidates (Link)
- **Category Rank -** 313, **All India Rank -**1998 in UCEED 2021 conducted by **IIT Bombay** (Link)
- Ranked **21** in CodeSpells by GDSC Rcoem (Link), College Rank **142** in CodeKaze by Coding Ninjas (Link)

SKILLS

- **Languages**: Python, C, Java, MySQL
- **Developer Tools**: Github, VS Code, MySQL Workbench, NetBeans, Arduino IDE, Matlab
- **Soft Skills:**: Leadership, Communication, Teamwork, Problem Solving • **Operating Sytems:**: Windows

CERTIFICATIONS

- Programming Essentials in Python by OpenEDG • Certified by Hackerrank in Python, Problem Solving
- Introduction to SQL by Univ. Of Michigan • The Arduino Platform and C Programming by Univ. Of California
- Certified by AMCAT for profiles likes Software Engineer Trainee, Data Processing Specialist, Business Analyst and Consultant, and in English Comprehension, Proficiency in English

EDUCATION

Shri Ramdeobaba College Of Engineering And Management   Nagpur, India
B.Tech - Electronics and Communication Engineering   *2020 - 2024*