ISHANI

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EDUCATION

Indraprastha Institute of Information Technology, Delhi   Aug, 2017 - Jun, 2021(Expected)
B.Tech in Computer Science and Engineering

- **Technical Electives:** Data structures and algorithms, Advanced Programming, Operating systems, Database Management Systems, Mobile Computing, Machine learning, Computer Networks, Image processing, Data Warehousing, Big Data Analytics

SKILLS

Expertise Area	Data Structures and Algorithms, SQL, Object-Oriented Programming
Programming Language	SQL, Java, Python3
Technologies and Tools	Android-studio, Linux, Flask, Sci-kit learn, Pandas, Numpy, PostgreSQL, Spark MongoDB, HTML, InstagramAPI, Ultrasonic sensor, AWS, Apache Kafka

EXPERIENCE

Data Analyst Intern   April 2021
Centre de Sciences Humaines   *Delhi, India*

- Contributing to the creation of a database of speeches made by Indian political figures for ongoing research at CSH, affiliated with French Ministry of Foreign Affairs.
- Automating the extraction of textual data from online resources.

PROJECTS

Steganography with a Hybrid-Encrypted Payload
Developed a web application for the secure transmission of files by encrypting them with a password.
Used a combination of several techniques including RSA, Fernet encryption, AES, and 4 types of Steganography.

Pothole Detection Application
Developed a web application that detects potholes and notifies user in real time via Google maps API.
The application detects potholes via pressure sensor and ultrasonic sensors placed in the users vehicle.

Flowchart Converter
Developed an application to convert Hand Drawn Diagrams into Digital Flowcharts.
Dilation and Blurring were carried out on an image along with Hough transformation and Circle subtraction.

Instagram Engagement Booster
Developed an algorithm to help Instagram accounts gain a higher number of active followers and engagement rate.
Achieved a 331% increase in user engagement as compare to the similar accounts.

Artlet (Android Application)
Developed an android application which helps in promoting the art of local artists
There are 4 fields in which artists can collaborate with each other and promote their skills.

Snake and Block Game
Developed a desktop application of snake and block game using Java and JavaFx.

ACHIEVEMENTS

- Among top 4% participants in Codechef March Long Challenge 2021 out of 23K+ participants. (codechef.com/ishani)
- Among top 1.25% students in JEE Mains 2017 out of 1180K+ students.

LEADERSHIP

- Organised a blood donation camp in Esya'18. (80+ donors participated in 1 day event.)

- Publicity Lead of Esummit'20 IIIT Delhi.

EXTRA-CURRICULAR ACTIVITIES

- Badminton

- Snooker