

# LAKSHYA GUPTA

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◇ [linkedin.com/Lakshya](https://www.linkedin.com/Lakshya)

◇ [github.com/Lakshya](https://github.com/Lakshya)

◇ [leetcode.com/Lakshya](https://leetcode.com/Lakshya)

## EDUCATION

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**ABV - Indian Institute of Information Technology And Management Gwalior**, Bachelor of Technology in Computer Science, **CGPA: 7.61** 2024

**Courses:** Operating Systems, Data Structures, Design and Analysis Of Algorithms, Artificial Intelligence, Computer organisation and Architecture, Computer Network, Database Management System, Object Oriented Programming, Compiler Design.

**Jawahar Navodaya Vidhyalaya, Morena**, CBSE XII - **90.30**

2019

## SKILLS

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**Languages** C/C++, Javascript, SQL, Python

**Frameworks** HTML, CSS, SCSS, Node.js, Express.js, React.js, MongoDB, REST APIs, JavaScript, ES6, SQLite, pandas, Numpy, HTTPS

**Tools** GIT, Github, MySQL, HTML, CSS, Octave/Matlab, Postman, Bootstrap

## PROJECTS

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**Segmentation of Liver in CT images using 3D-Res-UNet** ([Github](#))

- Giving better results by Modifying U-NET(CNN architecture) model over LiTS Dataset containing 3d volumes of 130 different patients.
- Our DL model is better then many pre-existing model to do segmentation in 3d images.
- **Tech:** Python, Numpy, Pandas, TensorFlow, Matplotlib, PyTorch

**Socialize-( Social Media app)** ([Github](#))

- Simple UI for best user experience. Multi-user and multifunctional platform.
- User Authentication and authorization is provided using JWT.
- **Tech:** Javascript, React, MySQL, Node.js, Express, SCSS

**Password Manager** ([Github](#))

- Built the back-end for a password manager application.
- Implemented client-side hashing and encryption of data using industry standard encryption and hashing algorithms such as AES-256 and SHA-256.
- Used TLS handshake to establish a secure HTTPS connection for transfer of data between server and client.
- **Tech:** Javascript, Node.js, Express.js, SQLite

## PUBLICATION

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"Segmentation of Liver in CT images using 3D-Res-UNet" ([IEEE](#)) **Accepted in IEEE 6th Conference on Information and Communication Technology (CICT)**, on 04-Jan-2023

## ACHIEVEMENTS

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- Achieved Global **Rank 54** in Codechef Starters in Div 3.
- Achieved Global **Rank 26** in **Codefiesta**.
- Solved more than **500** competitive programming and data structure questions on multiple platforms such as leetcode, codechef, codeforces, CSES, etc
- Awarded MMVY Scholarship given by MP govt to slected students