Kalasani Lingaswamy

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# Skills

* **Languages**: C++, Python, C, Data Structures, and Algorithms
* **Frameworks**: HTML and CSS
* **Tools/Platforms**: MySQL
* **Soft Skills**: Creative Thinking, Problem Solving Skills, Team Player, Time Management,

# Summer Training

**GeeksforGeeks | Data Structures and Algorithms - Self-Paced May 2024**

* Gained practical expertise in sorting algorithms, searching techniques, trees, graphs, dynamic programming, and recursion.
* Designed and implemented efficient data structures (linked lists, stacks, queues, hash tables) using C++.
* Developed a strong understanding of time and space complexity optimization, applying best practices in competitive programming.

# Projects

#### Beijing Multi-Site Air Quality Index November 2023

#### The implementation has been completed of a multi-site Air Quality Index monitoring system in Beijing, improving real-time pollution tracking and data accuracy.

#### Developed a comprehensive air quality assessment framework to support policy decisions, public health, and environmental management.

#### Designed and implemented a Pythonbased ETL process that standardized air quality data formats, ensuring compatibility and facilitating analysis across 5 different geographic regions.

#### Tech Used: python

#### Online Real Estate Website: September 2023

#### Developed a dynamic web platform for listing and searching real estate properties.

#### Implemented user authentication, property search filters, and interactive maps.

#### Designed a responsive UI for seamless browsing on desktop and mobile devices.

#### Integrated database to manage property listings and user interactions.

#### Deployed the website for real-time property updates.

#### Tech Used: HTML, CSS

# Certificates

## Programming Fundamentals Of Kotlin **November 2024**

## Data Structures & Algorithms- Self-Paced (C++) by GFG. **May 2024**

* Generative Artificial Intelligence by Coursera **Jan 2024**
* Prompt Engineering for ChatGPT by Coursera **Jan 2024**

# Achievements

#### Secured a Silver medal in the School October 2019

I secured a silver medal in the District-wise Quiz Competition, competing against top players from multiple schools.

# Education

**Lovely Professional University** Punjab, India

### Bachelor of Technology - Computer Science and Engineering; **CGPA: 6.35** Since August 2022

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**Telangana Model School & Jr College** Nalgonda, Telangana

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### Intermediate; **Percentage: 82.9%** July 2020- March 2022

**Telangana Model School & Jr College** Nalgonda, Telangana

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### SSC Board; **Percentage: 100%** March 2020