# JANNATHUL FIRTHOUSE A  📍 Coimbatore, Tamil Nadu

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## Education

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| **Rathinam Technical Campus** | **2021 - 2025** |
| *B.E Computer Science and Engineering, CGPA: 7.89/10* | *Coimbatore, TamilNadu* |
| **Islamiyah matric Higher Secondary School** | **2019 - 2021** |
| *Specialization in Computer Science with Maths, PERCENTAGE: 85* | *Coimbatore, TamilNadu* |
| **Islamiyah Matric Higher Secondary School** | **2017 - 2018** |
| *Secondary Education, PERCENTAGE: 80* | *Coimbatore, TamilNadu* |

## Technical Skills

**Programming Languages**: Java, C, JavaScript, Python

**FrontEnd**: HTML, CSS

**BackEnd**: Node.js ,Firebase

**Frameworks/Tools**: Bootstrap ,React.js , Figma ,Arduino, ThingSpeak ,Github

**Database** : PostgreSQL

## Projects

**CLUSTERING SSH ATTACKS** | *Java, JFreeChart , WEKA*                    **December - January 2023**
- **Implementation:** Applied KMeans clustering to classify SSH session attacks using over 100 network packet files.
- Determined optimal K value (3-5 clusters) and grouped similar files based on cluster assignments.
- Developed and implemented the solution using Java and WEKA, achieving over 85 percent accuracy in attack categorization.

**ALTERNATIVE-ROUTES IN ROAD NETWORK** | *C++, OpenGL*                    **November - December 2023**
- **Implementation:** Applied Dijkstra's algorithm to determine the shortest travel time route in a road network with randomly generated traffic.
- Integrated collision avoidance by adjusting vehicle speeds in real-time, reducing potential collisions by 40 percent
- **Project link:** github.com/jannahyeyo/alternative-routes-in-road-network

**IOT DEVICE FOR GAS MONITORING AND ALERT SYSTEM** | *Ardiuno ,Thinkspeak, React.js* **August - October 202**
- **Resposibility:** Designed an intuitive Android app interface, prioritize user-centric design by focusing on the user's needs, preferences, and context
- Develop a robust prototype capable of real-time monitoring of gas concentration levels in sewage plants or septic tanks, adaptable to diverse settings.
- **Project link:** github.com/jannahyeyo/sewersentinal

**CONNECTLY-SOCIAL MEDIA APPLICATION** | *React.js,Node.js*                    **June - July 2023**
- Developed an intuitive and engaging social media app with a focus on user interaction and content sharing.
- **Project link:** github.com/jannahyeyo/Connectly

## Relevant Coursework

- Programming in Python — GUVI
- UI/UX Design with Figma Tool — GUVI

## Language Known

- English
- Tamil

## Achivements

***RATHINAM IDEA ARANGAM [24hrs Hackathon]***                    *November 2023*
- Participated in a 24-hour hackathon, contributing to innovative project solutions by Securing 2nd place