JANNATHUL FIRTHOUSE A ● Coimbatore, Tamil Nadu

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Education

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 ,React.js*   **August - October 2023**
- **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/sewersentinel

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

Achivments

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