PRAGALYA KANAKARAJ

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EDUCATION

Bannari Amman Institute of Technology 2022 - 2026
B.E Computer Science and Design 8.4 CGPA (Till 6th semester)

Green Park International School 2020 - 2022
Higher Education (Grade : 83%)

TECHNICAL SKILLS

Software Tools: ReactJS , Golang , PostgreSQL(Basic) , HTML , GitHub , CSS , Tailwind.css
Programming Languages: C (Beginner) , JavaScript , Java (Beginner)

PROJECTS

Course Exemption Portal Mar 2024 – Aug 2024
Tech-stack : **React.js**

- **Developed and enhanced frontend modules** and improving **UI/UX by 70%** and enhancing user experience and accessibility.
- Implemented robust **authentication and security measures**, improving **portal security by 90%** with **JWT-based authentication** and **role-based access control (RBAC)** for **8 user roles**.

Outcome : Optimized complex approval workflows and **streamlined lengthy registration processes**, reducing **student processing time.**

Doctor-Patient Relation Manager Oct 2024 – Jan 2025
Tech-stack : **React.js, Golang, PostgreSQL**

- Enhanced **UI/UX by 90%**, delivering an **intuitive and efficient interface** for patient record handling and doctor scheduling.
- Implemented secure **JWT-based authentication** with **role-based access control** , secured **API's based on user's role.**

Outcome : Integrated a **English speech-to-text module** for **accurate real-time conversation transcription** between doctors and patients.

Paper Evaluation Monitoring Module Dec 2024 – Jan 2025
Tech-stack : **React.js , Golang , PostgreSQL**

- Implemented real-time tracking for **faculty progress in paper correction, ensuring seamless coordination** with the board chairman.
- **Enforced data integrity** in PostgreSQL using foreign key constraints, preventing duplication.

Outcome : **Optimized faculty management**, reducing manual effort and **improving workflow efficiency through streamlined paper correction** and **reallocation.**

ACHIVEMENTS

CSIR Hackathon - IIITR Lucknow (Runner-Up) Jan 2023 - Mar 2023

- Developed an innovative model leveraging blockchain technology to facilitate carbon trading for petrol and diesel vehicle users, promoting environmental responsibility.
- Ensured transparency and security in carbon credit transactions, allowing vehicle owners to trade excess carbon credits in a decentralized manner. Utilized blockchain's immutable ledger to track.

DECLARATION

I declare that above furnished details are true to the best of my knowledge and my belief.

Date:09/02/2025 PRAGALYA K