PRAGALYA KANAKARAJ

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EDUCATION

Bannari Amman Institute of Technology   2022 - 2026
B.E Computer Science and Design

TECHNICAL SKILLS

Software/Tools: Git , React JS, MongoDB , SQL , PostgreSQL , VS code , HTML(pro) , GitHub , CSS , Tailwind css , Linux , Problem solving skills , Blockchain Basics.

Programming Languages: C, JavaScript , Java (beginner)

PROJECTS

Blockchain based personalized banking Application   March 2023 – Sep 2023

- Developed a user-friendly blockchain-based banking application with core functionalities including Deposit, Withdraw, and Transaction features
- Enhanced user experience (UX) to ensure accessibility for all age groups, simplifying navigation and usability for a diverse range of users using React.js.
- Implemented secure transaction methods utilizing blockchain technology to ensure data integrity and privacy.

Course Excemption Portal   March 2024 – Aug 2024

- Complex Approvals and Registrations: Addressed challenges related to complex approval workflows and lengthy registration procedures.
- Authentication and Security: Worked on the authentication system, enhancing the security of the portal by 90% and   Handled the user role mapping (8 users).
- Frontend Development: Contributed to the frontend development of two additional modules, improving the UI/UX by 70% and ease the work for users.

Doctor-Patient Relation Manager   October 2024 - Ongoing

- Designed and implemented the web application using React.js for the frontend, Golang for the backend, PostgreSQL as the database.

- Built features for managing doctor appointments, storing medical records securely, and generating personalized health insights.
- Integrated a speech-to-text module supporting multilingual inputs, enabling accurate conversation capture between doctors and patients.
- Enhanced the backend for handling high data traffic, ensuring smooth performance for over 500 concurrent users.
- Improved UI/UX by 90%, offering an intuitive interface for managing patient health records and doctor schedules effectively.

EXPERIENCE

Junior Software Developer

(Bannari Amman Institute of Technology)   Aug 2023 – Present

- Developed a project from scratch, handling both frontend and backend development.
- Gained proficiency in MongoDB and MySQL for building robust and scalable applications.
- Enhanced skills in full-stack development and database management through hands-on experience.

CERTIFICATIONS

1. Blockchain – University of Buffalo (Online)   Jan 2023

2. Meta Android developer – META (Online Exam)   Mar 2024

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.
- Introduced a system where conventional vehicle owners can actively participate in carbon trading markets, incentivizing reduced emissions.
- Utilized blockchain's immutable ledger to track and validate carbon emissions, ensuring accurate carbon footprint assessments for each vehicle.
- Presented the model as a scalable, real-world solution to involve traditional vehicle users in global carbon reduction efforts, receiving recognition for its practicality and impact.