PRADEEP G A

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SUMMARY

Highly motivated professional with a passion for addressing future productivity challenges through innovative solutions. Possesses exceptional communication and teamwork skills, with a proven ability to work independently and thrive in dynamic environments.

PROJECTS

Trip Planner Web Application   Apr 2022 - Dec 2022
  Role: Frontend Developer
- Designed and developed the frontend of a responsive Trip Planner web application using React, HTML, CSS, and JavaScript, enabling users to seamlessly create, organize, and travel itineraries.
- Reduced page load time by 30% by optimizing component rendering and layout structure.
- Focused on building an intuitive and interactive user interface to enhance user experience across all devices

Database Management System   Feb 2023 - Jul 2023
  Role: Full-Stack Developer
- Developed a full-stack Database Management System using Spring Boot (backend), React (frontend), and MySQL (database) to handle data storage, retrieval, and real-time updates efficiently.
- Increased data retrieval speed by 45% by implementing RESTful APIs and indexing key database fields.

Solar-Powered Cold and Dryer System for Agricultural Preservation   Jun 2024 - Mar 2025
  Role: Lead Hardware Developer
- Developed a solar-powered cold storage and dryer system using Peltier modules, and water-cooling with copper tubes to automate temperature control for agricultural preservation.
- Reduced post-harvest spoilage by over 50% through precise cooling and drying control.
- Displayed real-time status and temperature via LCD, improving usability and system monitoring for farmers.

EDUCATION

Bachelor of Engineering - EEE   Nov 2021 - Mar 2025
  Sri Krishna College of Technology, Coimbatore.

TECHNICAL SKILLS

Languages: Java, JavaScript, SQL
Frameworks & Libraries: React, Spring Boot
Database & APIs: MySQL, RESTful APIs

CERTIFICATIONS

GREAT LEARNING - REACT JS
NASSCOM - AWS Cloud Practitioner Essentials
OUTSKILL - Generative AI Mastermind

PROFESSIONAL INTERESTS

Full-stack Web Development and UI/UX Design

Renewable Energy Systems and Sustainable Solutions