P Sai Parameshwar Rao

Warangal, Telangana

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Education

SR University   **October 2022 - Present**
Bachelor of Science in Computer Science   *Hanamkonda, Telangana*
- Current GPA: 9.42 / 10.00

Projects

MealMate – Food Subscription Web App | *React, Express.JS, MongoDB, NodeJS*   **March 2025**
- Programmed a full-stack food subscription platform using React (frontend) and Express.js + MongoDB (backend), enabling personalized meal browsing and order placement for over 1,000 monthly active users.
- Created a responsive UI with React.js, reducing average user meal selection time by 30% through improved layout and navigation.
- Implemented category-based filtering (Veg, Non-Veg, Vegan, Drinks) and subcategories (e.g., Indian, Chinese, Gym-friendly) to improve discoverability by 60%.
- Integrated AdminJS from scratch to manage CRUD operations on 50+ food items and 500+ users and eliminating reliance on third-party admin tools.

Movie Review System | *Django, PostgreSQL, HTML, CSS, Bootstrap, JavaScript*   **January 2025**
- Made a full-stack Movie Review System using Django, PostgreSQL, HTML, CSS, and JavaScript, enabling users to browse over 500 movies, submit reviews, rate films, and view aggregated ratings.
- Executed a secure user authentication system with separate login and signup functionality, enabling over 1,000 registered users to post reviews, rate movies, and access personalized content.
- Applied an interactive star rating system using JavaScript, allowing users to visually rate movies, improving engagement while dynamically updating ratings for more than 10,000 user reviews.
- Designed backend structure with Django models and PostgreSQL, ensuring data consistency, security, and efficient storage of over 50,000 user reviews, ratings, and movie-related records.

E-Commerce Recommendation System | *Python*   **April 2024**
- Built a ML Model for E-Commerce Recommendation System using method called matrix factorization.
- Documented a comprehensive report on recommendations interpreting Machine learning algorithm results visually followed by conclusion on best method from used ML algorithms.
- Created a personalized recommendation engine for an e-commerce platform, ensuring enhanced user engagement and increased sales.
- Applied collaborative filtering techniques to analyze user behavior and preferences, optimizing the relevance of product recommendations.

Technical Skills

Programming Languages: Java, Python, C++, C, Go
Web Technologies: HTML, CSS, JavaScript, Bootstrap
Frameworks: React.js, Node.js, Django, Express.js
Database Systems: MySQL, PostgreSQL, MongoDB
Tools & Technologies: Git, GitHub, VS Code, Jupyter Notebook, Google Colab, Postman

Achievements

- Engineered a solar-powered UV-C water bottle prototype that provided chemical-free sterilization with 99.9% efficiency, supporting sustainable, portable water purification; Patent No. 202541014292 A (07/03/2025).

Co-Curricular Activities

Computer Society of India   **August 2023 - December 2024**
Member
- Attended 5+ hands-on workshops and technical seminars on software development, cybersecurity, and cloud computing, enhancing practical skills and technical knowledge.
- Completed 10+ CSI coding challenges, gaining practical experience with emerging technologies and contributing to team-based coding projects.