

# P Sai Parameshwar Rao

+91 7093235333 | [saiparameshwarrao2004@gmail.com](mailto:saiparameshwarrao2004@gmail.com)

 [Linkedin](#) |  [Github](#)

Warangal, Telangana

## EDUCATION

- **SR University** May 2026  
*Bachelor Of Technology in Computer Science* Hanamkonda, India
  - Current GPA: 9.38/10.00
- **Resonance Junior College** June 2022  
*Intermediate* Hanamkonda, India
  - Percentage: 97.2
- **St. Peter's Central Public School** March 2020  
*CBSE* Hanamkonda, India
  - Percentage: 91.0

## EXPERIENCE

- **Computer Society of India** August 2023 - December 2024  
*Member*
  - Actively engaged in professional networking and knowledge-sharing through the Computer Society of India, staying updated with industry trends and advancements in technology.
  - Participated in technical events, workshops, and seminars organized by CSI, enhancing skills in software development, cybersecurity, and emerging technologies.

## PROJECTS

- **Movie Review System | Django** January 2025  
*Tools: Django, PostgreSQL, HTML, CSS, Bootstrap, JavaScript*
  - Developed 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.
  - Implemented robust indexing strategies on PostgreSQL databases which resulted in cutting down search latency when retrieving specific movie-related information by nearly two-thirds for improved overall site functionality.
  - Designed a robust 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** March 2024 - April 2024  
*Tools: Jupyter Notebook, Github*
  - Prepared and executed a machine learning model for an E-Commerce Recommendation System, improving recommendation accuracy by 20%.
  - Authored a detailed 30-page technical report on system implementation, evaluation metrics, and visual insights, leading to a 15% increase in click-through rates (CTR).
  - Enhanced a personalized recommendation engine that boosted user engagement by 25% and average order value (AOV) by 10%.
  - Applied collaborative filtering to optimize product relevance for over 500,000 users and 200,000 products, reducing data processing time by 30%.
  - Designed and built predictive models using large-scale datasets of over 50,000 records, improving forecast accuracy and optimizing customer segmentation for 10,000+ active users.

## TECHNICAL SKILLS

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- **Programming Languages:** Java, Python, C++, C, Go
- **Web Technologies:** HTML, CSS, JavaScript, Bootstrap
- **Database Systems:** MySQL, PostgreSQL, MongoDB
- **Frame Works:** React, Node.js, Django
- **Other Tools & Technologies:** GitHub, VS Code, Jupyter Notebook

## ACHIEVEMENTS

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- Co-inventor of the Solar-Powered UV-C Water Purification Bottle, a patented innovation (Application No. 202541014292 A, Published on 07/03/2025)

## CERTIFICATIONS

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- Coursera Certified : [Data Structures](#) October 2023
- Coursera Certified : [Introduction to Object-Oriented Programming with Java](#) October 2023