

A R Saran kumar

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Portfolio: <https://saran84790.github.io/sarankumar-portfolio/>

Objective

A dedicated and skilled professional with expertise in Python, SQL and web technologies. Seeking to contribute my technical abilities and problem - solving skills to a dynamic organization while continuing to grow and develop professionally. Committed to delivering high-quality support and ensuring the success of both the company and its clients

Education

- **Bachelor of Engineering (CSE)**
Rajarajeshwari College of Engineering (2024)
Grade: 81%
- **2nd PU**
PES PU College (2020)
Grade: 70%
- **10th CBSE**
Kendriya Vidyalaya Malleswaram (2018)
Grade: 69%

Technical Skills

- **Programming Languages:** Python , SQL
- **Web Development:** HTML, CSS, JavaScript , Bootstrap
- **Database Management:** MySQL.
- **Tools & Platforms:** Visual Studio Code, MySQL, IDLE Python
- **Frameworks:** Django

Roles and Responsibilities

- Developing and maintaining web applications using Python and web development
- Designing and implementing SQL queries for efficient database management and data retrieval
- Building responsive and user-friendly interfaces using HTML, CSS, and JavaScript
- Debugging and optimizing code for performance improvements and scalability
- Collaborating with cross-functional teams to gather requirements and deliver project deliverables on time
- Creating and managing relational databases using MySQL and Oracle for data-driven applications
- Documenting technical processes, workflows, and application features for team reference

Internship

Hindustan Aeronautics (HAL) | August 2023 - September 2023

- Gained hands-on experience in Oracle MySQL for organizing and managing organizational data
- Improved database structuring techniques for better data accessibility
- Collaborated with the team to optimize data flow for internal applications

Projects

Sonic Insights: AI-powered bowel sound analysis for stress identification

- Utilized Python with TensorFlow/Keras to process and analyze sound data
- Developed a user interface for input and visualization using Flask
- Optimized model performance through hyperparameter tuning for accuracy

Employee Payroll Management: Payroll management system developed using MySQL and Java in NetBeans

- Automated salary calculations and record keeping for streamlined operations
- Designed role-based access control for secure data handling
- Provided reporting features for generating detailed employee payroll summaries

Netfliiz: Netflix-Inspired Streaming Platform (Django Clone)

- Created a web-based video streaming platform using **Django, Python, HTML**, and **CSS**
- Designed a clean, intuitive user interface inspired by Netflix for browsing and viewing content
- Built dynamic content loading features and structured pages to simulate a real-world streaming experience
- Focused on usability, responsiveness, and overall user experience and showcased ability to replicate industry-level platforms using full-stack web technologies.

Certifications

- **Python (Advanced Level)** – HackerRank
- **SQL (Advanced Level)** – HackerRank
- **Software Engineer Certificate** – HackerRank

Extracurricular Activities

- Played Kabaddi, Swimming, and Cricket at school and college levels.
- Actively participated in inter-college coding tech events.

Languages

- English | Kannada | Hindi | Tamil