A R Saran kumar

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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

Bombing on Hiroshima: Animated representation of historical events using OpenGL in Visual Studio
- Developed animations showcasing realistic bombing sequences using mathematical functions
- Created visual effects to enhance the simulation experience
- Implemented scene transitions for smoother storytelling

Medicine Database: Mobile application for medicine reminders built in Android Studio
- Designed a user-friendly interface with features to add and track medications
- Integrated notifications for timely reminders using Firebase services
- Ensured data integrity by securely storing records in a SQLite database

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

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