Sahukari Chandan Chowdary

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PROFESSIONAL SUMMARY

SQL Developer improving HRMS systems by optimizing database operations, boosting query efficiency by 25–30%. Skilled in Python, Flask, backend development, and machine learning, dedicated to building fast, reliable, and impactful software.

TECHNICAL SKILLS

- Programming Languages: Python, Core Java, C
- Databases: MySQL, Maria DB, Database Design, Query Optimization, Joins, Views
- Frameworks & Tools: Flask, Stream lit, Pandas, NumPy, Scikit-learn, Postman, Git, JIRA,   Excel
- Core Areas: Backend Development, Machine Learning, Database Management
- Soft Skills: Problem Solving, Analytical Thinking, Team Collaboration, Self-Learning

EDUCATION

Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad
Master of Computer Applications (MCA) | Nov 2022 – Jun 2024 | CGPA: 8.57
Gayatri Vidya Parishad, Visakhapatnam
Bachelor of Science in Computers (B.Sc) | Jul 2018 – Aug 2021 | CGPA: 8.03
Swarna Bharathi Junior College, Icchapuram
Intermediate (MPC) | Jun 2016 – Apr 2018 | Marks: 926 / 1000
Government Boys High School, Icchapuram
SSC | 2015 – 2016 | CGPA: 9.0

PROFESSIONAL EXPERIENCE

SQL Developer | Back End Developer
OASYS Cybernetics Pvt. Ltd., Chennai | Mar 2025 – Present
- Collaborate with API and UI teams to understand business logic, database relationships, and identify key tables behind HRMS screens and workflows.
- Design, write, and optimize SQL queries and stored procedures to support backend data retrieval, filtering, and update operations.
-Test database interactions using Postman (POST methods) to verify query responses and ensure data accuracy and consistency.
-Execute and validate queries, then share the payload and response outputs with the UI team for seamless integration into application screens.
-Provide data code support for new feature development, bug fixes, and internal reporting requirements.
-Coordinate with the frontend team to integrate APIs and maintain smooth end-to-end data flow between the database and user interface.

Machine Learning Intern
 OASYS Cybernetics Pvt. Ltd., Chennai | Sept 2021 – Feb 2022
- Worked on machine learning projects, including data preprocessing, model development, and algorithm optimization.
- Utilized Python, Pandas, and NumPy for dataset preparation, coding, and implementing ML models.

- Collaborated with senior developers to learn industry best practices, coding standards, and efficient workflows.
- Supported debugging, data management, and model performance improvement, enhancing project efficiency.

TECHNICAL PROJECTS

Flask-Based Full-Stack Mechanic Shop Management System
Description: Developed a full-stack web application using Flask to manage repair shop appointments, customer data, and admin functionalities.
Tech Stack: Python, Flask, Flask-SQLAlchemy, Pandas, SQLite, HTML/CSS, Git.
 - Appointment Booking: Customers can book, reschedule, and cancel appointments for device repairs.
 - Admin Dashboard: Admins can view, filter, update the status of appointments, and export data to Excel.
 - Security: Integrated Flask-Login for user authentication, ensuring secure access to admin features.
- Excel Export: Developed functionality for admins to export all appointments to an Excel file using Pandas.
- Appointment Limit: Implemented daily appointment limits based on business requirements.

Phish Catcher
Description: Developed a Flask-based machine learning web application to detect phishing URLs and protect users from malicious websites.
Tech Stack: Python, Flask, Scikit-learn, XGBoost, Pandas, NumPy, HTML, CSS, Bootstrap.
- Implemented an ensemble model combining SVM and XGBoost algorithms for high-accuracy URL classification, achieving 90% accuracy on test data.
- Extracted and analyzed key URL-based features such as domain length, presence of special characters, and HTTPS usage to improve prediction reliability.
- Deployed the trained model using Flask, enabling real-time phishing detection through a user-friendly web interface for client-side URL classification.

Fraud Detection in Medical Insurance
Description: Designed and developed a machine learning-powered Flask web application to detect fraudulent medical insurance claims with high accuracy.
Tech Stack: Python, Flask, Scikit-learn, Pandas, NumPy, HTML, CSS, Bootstrap.
- Machine Learning Pipeline & Optimization: Implemented a complete ML workflow -including data preprocessing, feature selection, model training, and hyper parameter tuning - using Support Vector Machine (SVM) with GridSearchCV, achieving 92% accuracy on test data with Python, Pandas, and Scikit-learn.
- Integrated the trained ML model into a Flask backend to allow users to input claim details through a web-based interface and receive real-time fraud predictions.
- Implemented confusion matrix and accuracy score metrics to evaluate and visualize model performance.

LANGUAGES (SPEAK/WRITE)

English, Telugu, Hindi, Oriya