

Sahukari Chandan Chowdary

Phone: 8309443303 | Mail: sahuakarichandan2001@gmail.com | Portfolio: <https://chandan-2025.github.io/portfolio> | LinkedIn: <https://linkedin.com/in/chandanchowdary>

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, Java, C, OOP, Data Structures & Algorithms.
- Databases: SQL, MySQL, Maria DB, Database Design, Query Optimization, Joins, Views
- Data Tools: Pandas, NumPy, Excel, Power BI, Data Visualization
- Backend Development: Flask, API Development (HTTP-based), GET & POST Requests, Client-Server Architecture, Error Handling
- Machine Learning: Data Preprocessing, Feature Engineering, Scikit-learn, Model Evaluation
- Tools: Git, GitHub, Postman, Streamlit
- 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

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

- Developed an ensemble model combining SVM (Support Vector Machine) and XGBoost algorithms to classify phishing URLs with 90% accuracy.
- Conducted feature engineering on URL-based features such as domain length, special character presence, and HTTPS usage to improve model performance.
- Implemented real-time phishing detection via a Flask web application, allowing users to input URLs and receive immediate 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

- Developed a complete machine learning pipeline, including data preprocessing, feature selection, model training, and hyperparameter tuning using Support Vector Machine (SVM).
- Achieved 92% accuracy on test data by optimizing the model with GridSearchCV.
- Integrated the model into a Flask backend, allowing users to submit medical claims and receive real-time fraud predictions.
- Evaluated the model's performance with confusion matrix and accuracy score metrics for better interpretability.

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.

LANGUAGES (SPEAK/WRITE)

English, Telugu, Hindi, Oriya