

RAGHAV M

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PROFESSIONAL SUMMARY

Information Technology student with a strong foundation in Python and SQL, specializing in data analytics, database management, and software development. Experienced in designing scalable applications using Tkinter and SQL for real-world use cases. Passionate about solving complex problems in connected vehicle data, AI-driven analytics, and automation. Seeking an internship to gain hands-on experience with automotive data solutions and real-time decision-making processes.

EDUCATION

🎓 **Sri Siva Subramaniya Nadar College of Engineering** - Bachelor of Technology in Information Technology (Expected: 2027)

Jawahar Higher Secondary School CBSE BL-17, Neyveli-607803 (6 to 10)

Jawahar CNN School CBSE BL-5, Neyveli-607803 (11 and 12)

PROJECTS

Traffic Prediction System (Python, Flask, HTML/CSS, Firebase)

- Integrated Firebase for real-time data storage and retrieval.
- Implemented a Flask-based API to serve traffic predictions to a web interface.
- Built a spatial-temporal traffic forecasting model.
- Collected & processed real-time GPS and sensor data.

Clinic Management System (Python, Tkinter, Excel)

- Developed an intuitive Tkinter-based UI for seamless patient record management.
- Added features such as automated appointment scheduling and doctor availability tracking.
- Developed a GUI-based application using Tkinter for managing patient records, doctor appointments, and billing.
- Stored and processed data using Excel files, ensuring easy access and retrieval.
- Implemented automated report generation in Excel for daily patient visits and billing.

Restaurant Management System (Python, Tkinter, Oracle SQL)

- Designed a Tkinter-based POS system for handling orders, billing, and table reservations.
- Managed restaurant data using Oracle SQL for efficient storage and retrieval.
- Implemented SQL queries to generate automated order summaries and sales reports.

SKILLS

- **Programming:** Python, SQL
- **GUI Development:** Tkinter
- **Database Management:** MySQL, Oracle SQL
- **Data Processing & Analytics:** Excel

EXTRACURRICULAR ACTIVITIES

Internally Funded Project – Animal Behaviour Detection and Analysis

- Conducting data-driven analysis on animal movement patterns using OpenCV and AI models.
- Collaborated with a research team to refine behavior detection accuracy.